Homework and Remembering

HOUGHTON MIFFLIN HARCOURT

MATH Expressions

Common Core

GRADE 2

Volume 1

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1 2 3 4 5 6 7 8 9 10 XXXX 21 20 19 18 17 16 15 14 13 12

4500000000 B C D E F G

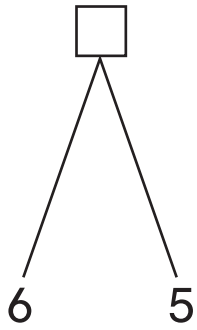
1-1

Homework

Name _____

Equations may vary. Order of addends in Math Mountains may vary.

1. Write two equations for each Math Mountain.

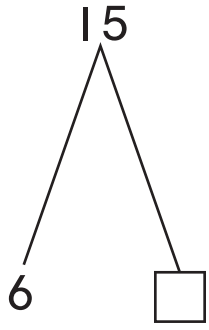


$6 + 5 = \square$

$5 + 6 = \square$

$18 - 9 = \square$

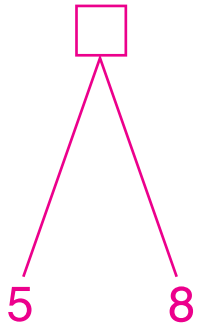
$9 + \square = 18$



$6 + \square = 15$

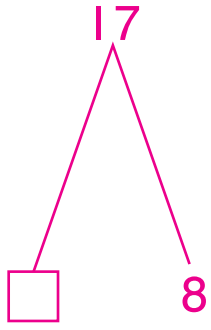
$15 - 6 = \square$

2. Draw a Math Mountain and write one more equation.



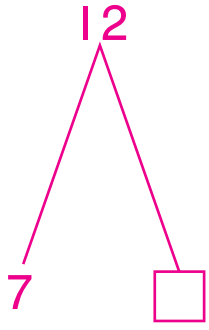
$5 + 8 = \square$

$\square = 5 + 8$



$17 - 8 = \square$

$8 + \square = 17$



$7 + \square = 12$

$12 - 7 = \square$

1-1 Name

Remembering

Add.

1.	$4 + 5 = 9$	$0 + 8 = 8$	$3 + 2 = 5$
2.	$1 + 7 = 8$	$7 + 2 = 9$	$2 + 1 = 3$
3.	$6 + 7 = 13$	$2 + 9 = 11$	$7 + 7 = 14$
4.	$8 + 9 = 17$	$4 + 7 = 11$	$1 + 9 = 10$

Subtract.

5.	$8 - 5 = 3$	$5 - 5 = 0$	$4 - 1 = 3$
6.	$6 - 2 = 4$	$9 - 6 = 3$	$5 - 3 = 2$
7.	$14 - 7 = 7$	$5 - 0 = 5$	$18 - 9 = 9$
8.	$16 - 9 = 7$	$14 - 6 = 8$	$15 - 8 = 7$

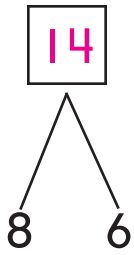
9. Stretch Your Thinking The yard sale records got wet. Write the numbers that should be in the table.

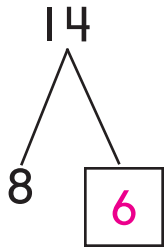
Item	Number Sold Each Day		
	Saturday	Sunday	Total
Birdhouse	1	6	7
Potholder	4	5	9
Picture Frame	2	8	10

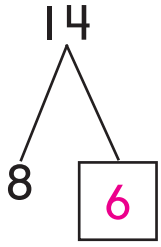
Homework

Name _____

1. Complete the Math Mountains and equations.







$8 + 6 = \boxed{14}$ $8 + \boxed{6} = 14$ $14 - 8 = \boxed{6}$

2. **Create and Solve** Write and solve a word problem for one of the equations above.

Answers will vary.

3. **Draw a Picture and Explain** Draw two different Math Mountains with a total of 12. Explain why you can make two different Math Mountains.

Answers will vary.

Sample answer:

The Math Mountains have different partners.

Name _____

Remembering

Add.

1. $2 + 6 = \boxed{8}$ $5 + 1 = \boxed{6}$ $8 + 1 = \boxed{9}$

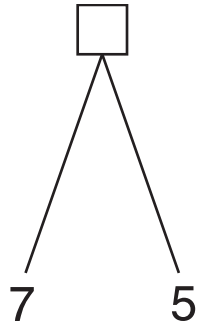
2. $8 + 7 = \boxed{15}$ $7 + 5 = \boxed{12}$ $8 + 8 = \boxed{16}$

Subtract.

3. $9 - 3 = \boxed{6}$ $4 - 2 = \boxed{2}$ $8 - 1 = \boxed{7}$

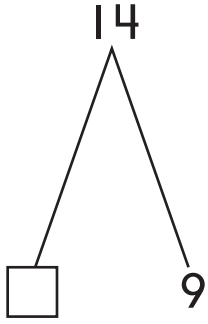
4. $12 - 8 = \boxed{4}$ $16 - 9 = \boxed{7}$ $15 - 8 = \boxed{7}$

5. Write two equations for each Math Mountain. Equations may vary.



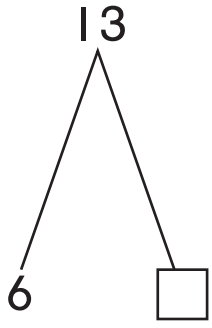
$7 + 5 = \square$

$\square = 5 + 7$



$14 - 9 = \square$

$9 + \square = 14$



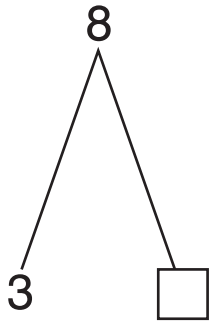
$6 + \square = 13$

$13 - 6 = \square$

6. **Stretch Your Thinking** Write four equations for this Math Mountain.

$3 + \square = 8$ $\square + 3 = 8$

$8 - \square = 3$ $8 - 3 = \square$



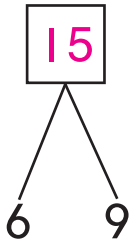
1-3

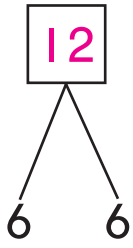
Homework

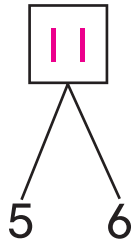
Name _____

Make a ten to find the total.

1. $3 + 8 =$ 11	$4 + 8 =$ 12	$4 + 9 =$ 13
2. $8 + 6 =$ 14	$9 + 5 =$ 14	$8 + 5 =$ 13
3. $6 + 7 =$ 13	$7 + 7 =$ 14	$7 + 5 =$ 12
4. $2 + 9 =$ 11	$5 + 7 =$ 12	$9 + 2 =$ 11
5. $3 + 9 =$ 12	$8 + 9 =$ 17	$4 + 7 =$ 11
6. $9 + 8 =$ 17	$7 + 6 =$ 13	$5 + 9 =$ 14
7. $6 + 9 =$ 15	$6 + 6 =$ 12	$5 + 6 =$ 11







8. **Critical Thinking** Explain how to make a ten to find $8 + 6$.

Take 2 from 6 to make a 10.

4 left. $10 + 4 = 14$

$8 + 6 =$ 14

Already **8** ● ● | ● ● ● ●

$10 + 4 = 14$

I-3 Name

Remembering

Add.

1.

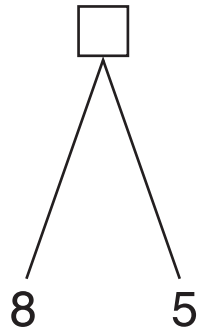
4	5	7	8	7	9
+ 7	+ 6	+ 8	+ 6	+ 7	+ 5
11	11	15	14	14	14

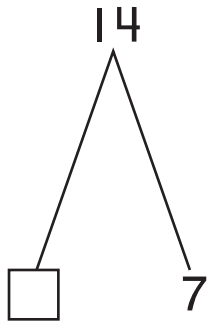
Subtract.

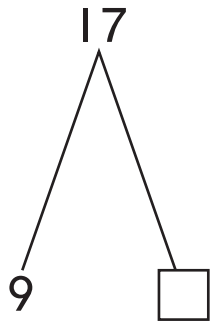
2.

13	12	17	14	15	16
− 8	− 7	− 9	− 6	− 7	− 8
5	5	8	8	8	8

3. Write two equations for each Math Mountain. Equations may vary.







$8 + 5 = \square$

$\square = 5 + 8$

$14 - 7 = \square$

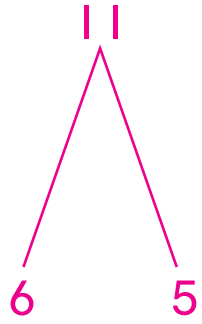
$7 + \square = 14$

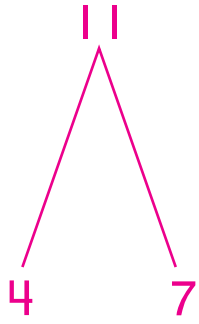
$9 + \square = 17$

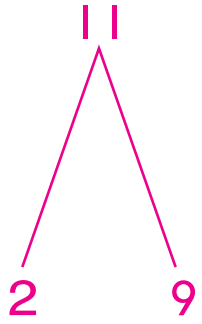
$17 - 9 = \square$

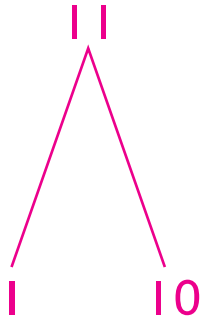
4. Stretch Your Thinking Write four different Math Mountains with a total of 11.

Answers will vary. Sample answers are given.









Name _____

$8 + \boxed{6} = 14$ **or** $14 - 8 = \boxed{6}$

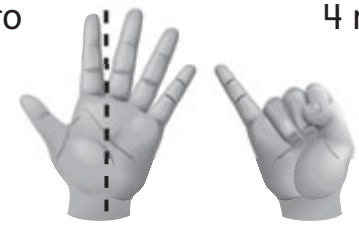
Already **8** 9 10 + 4 more

or **8** 6 + 2 + 4 = 14

or **8** 10 + 4

Already **8**

2 more to 10



4 more to 14

Find the unknown addend (unknown partner).

1.	$5 + \boxed{7} = 12$	$15 - 8 = \boxed{7}$	$8 + \boxed{8} = 16$
2.	$7 + \boxed{9} = 16$	$13 - 4 = \boxed{9}$	$9 + \boxed{3} = 12$
3.	$3 + \boxed{9} = 12$	$11 - 2 = \boxed{9}$	$7 + \boxed{6} = 13$
4.	$9 + \boxed{6} = 15$	$14 - 8 = \boxed{6}$	$17 - 9 = \boxed{8}$
5.	$8 + \boxed{4} = 12$	$16 - 8 = \boxed{8}$	$16 - 7 = \boxed{9}$
6.	$5 + \boxed{8} = 13$	$18 - 9 = \boxed{9}$	$12 - 7 = \boxed{5}$
7.	$4 + \boxed{8} = 12$	$11 - 4 = \boxed{7}$	$12 - 9 = \boxed{3}$

8. **Explain Your Thinking** Choose one equation above. Explain how you can make a ten to find the partner.

Answers will vary.

1-4

Name _____

Remembering

Add.

1.

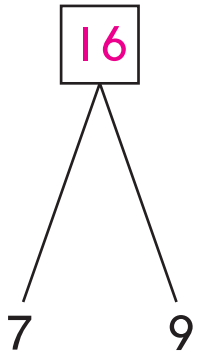
6 + 9 = 15	7 + 6 = 13	8 + 8 = 16	9 + 7 = 16	6 + 8 = 14	5 + 8 = 13

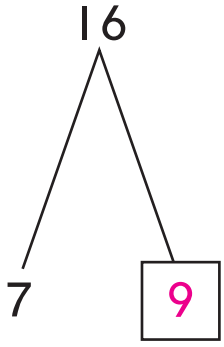
Subtract.

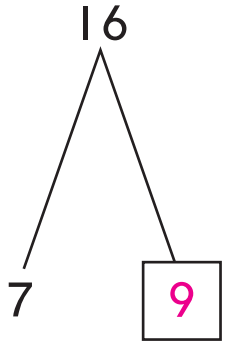
2.

11 − 3 = 8	15 − 8 = 7	18 − 9 = 9	13 − 4 = 9	16 − 9 = 7	14 − 7 = 7

3. Complete the Math Mountains and equations.







$7 + 9 = \boxed{16}$ $7 + \boxed{9} = 16$ $16 - 7 = \boxed{9}$

Make a ten to find the total.

4. $4 + 8 = \boxed{12}$ $8 + 9 = \boxed{17}$ $8 + 8 = \boxed{16}$

5. **Stretch Your Thinking** Which problem is easiest to solve using the make-a-ten strategy? Explain why.

$4 + 5 = \square$ $6 + 5 = \square$ $9 + 5 = \square$

Sample answer: 9 + 5 because 9 is the closest number to 10, so you can make a 10 and count 4 more.

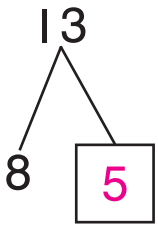
I-5

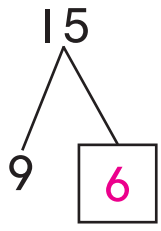
Homework

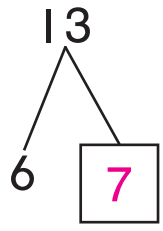
Name _____

Write the unknown addend (partner).

1. $6 + \boxed{9} = 15$	$17 - 8 = \boxed{9}$	$3 + \boxed{8} = 11$
2. $9 + \boxed{8} = 17$	$12 - 6 = \boxed{6}$	$9 + \boxed{3} = 12$
3. $5 + \boxed{6} = 11$	$12 - 4 = \boxed{8}$	$7 + \boxed{5} = 12$
4. $8 + \boxed{5} = 13$	$15 - 7 = \boxed{8}$	$5 + \boxed{9} = 14$
5. $7 + \boxed{4} = 11$	$15 - 8 = \boxed{7}$	$13 - 7 = \boxed{6}$
6. $9 + \boxed{5} = 14$	$13 - 5 = \boxed{8}$	$11 - 6 = \boxed{5}$
7. $5 + \boxed{7} = 12$	$12 - 3 = \boxed{9}$	$11 - 2 = \boxed{9}$
8. $8 + \boxed{5} = 13$	$15 - 9 = \boxed{6}$	$13 - 6 = \boxed{7}$

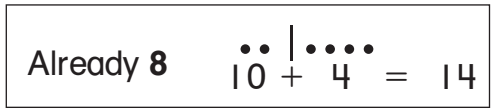






9. Critical Thinking Explain how the math drawing can help you solve $8 + \square = 14$.

Explanations will vary.



Name _____

Remembering

Add.

1.

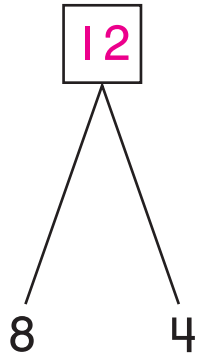
8 + 5 = 13	6 + 5 = 11	7 + 7 = 14	7 + 8 = 15	6 + 7 = 13	8 + 9 = 17

Subtract.

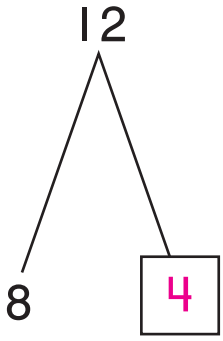
2.

16 − 8 = 8	15 − 9 = 6	18 − 9 = 9	12 − 8 = 4	11 − 7 = 4	13 − 5 = 8

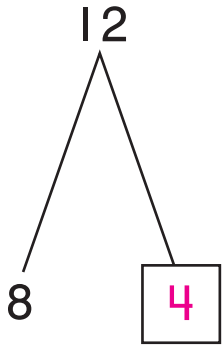
3. Complete the Math Mountains and equations.



$8 + 4 = \boxed{12}$



$8 + \boxed{4} = 12$



$12 - 8 = \boxed{4}$

Find the unknown addend (unknown partner).

4. $5 + \boxed{6} = 11$ $13 - 9 = \boxed{4}$ $5 + \boxed{8} = 13$

5. **Stretch Your Thinking** Draw a picture to help you solve $7 + \square = 12$.

Drawings will vary. Sample drawing shown.

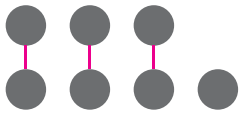
$10 + 2 = 12$

1-6

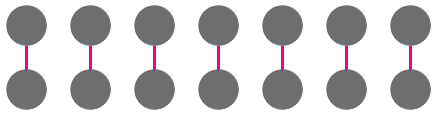
Homework

Name _____

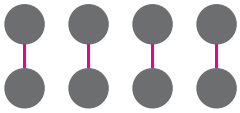
Draw lines to make pairs.
Write odd or even.

1. 

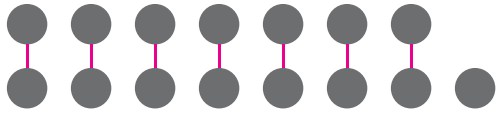
odd

2. 

even

3. 

even

4. 

odd

Complete the addition doubles equation.

5. $\boxed{9} + \boxed{9} = 18$

6. $\boxed{3} + \boxed{3} = 6$

7. $\boxed{5} + \boxed{5} = 10$

8. $\boxed{2} + \boxed{2} = 4$

9. $\boxed{4} + \boxed{4} = 8$

10. $\boxed{7} + \boxed{7} = 14$

11. $\boxed{8} + \boxed{8} = 16$

12. $\boxed{6} + \boxed{6} = 12$

Name _____

Remembering

Add.

1.

7	6	9	7	6	3
+ 8	+ 5	+ 2	+ 5	+ 8	+ 8
15	11	11	12	14	11

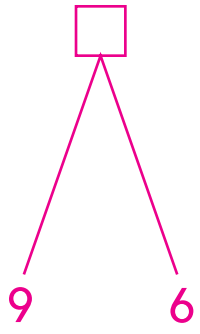
Subtract.

2.

13	15	17	16	18	11
− 4	− 8	− 9	− 7	− 9	− 3
9	7	8	9	9	8

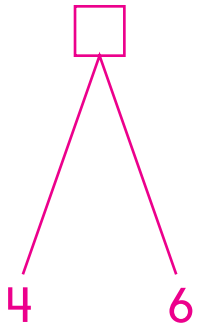
3. Draw a Math Mountain and write one more equation.

Equations may vary. Order of addends in Math Mountains may vary.



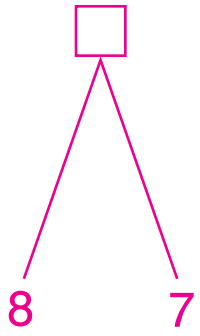
$9 + 6 = \square$

$6 + 9 = \square$



$4 + 6 = \square$

$\square = 6 + 4$



$8 + 7 = \square$

$7 + 8 = \square$

Make a ten to find the total.

4. $5 + 8 = \boxed{13}$ $8 + 4 = \boxed{12}$ $5 + 6 = \boxed{11}$

5. Stretch Your Thinking Draw a Math Mountain that only uses two different numbers. Explain why.

Sample answer: I chose a doubles fact, $6 + 6 = 12$. Since 6 is used twice there are only two numbers, 6 and 12.

Drawing will vary. Sample drawing shown.

I-7

Homework

Name _____

Add. Use doubles.

1. $7 + 5 = \boxed{12}$	$7 + 7 = \boxed{14}$	$8 + 9 = \boxed{17}$
2. $9 + 9 = \boxed{18}$	$9 + 11 = \boxed{20}$	$8 + 8 = \boxed{16}$
3. $8 + 7 = \boxed{15}$	$6 + 5 = \boxed{11}$	$7 + 8 = \boxed{15}$
4. $6 + 4 = \boxed{10}$	$7 + 9 = \boxed{16}$	$9 + 7 = \boxed{16}$
5. $7 + 6 = \boxed{13}$	$5 + 5 = \boxed{10}$	$6 + 8 = \boxed{14}$
6. $6 + 6 = \boxed{12}$	$6 + 7 = \boxed{13}$	$8 + 6 = \boxed{14}$
7. $8 + 10 = \boxed{18}$	$5 + 6 = \boxed{11}$	$9 + 10 = \boxed{19}$
8. $9 + 8 = \boxed{17}$	$10 + 9 = \boxed{19}$	$5 + 7 = \boxed{12}$

I-7

Name _____

Remembering

Add.

1.

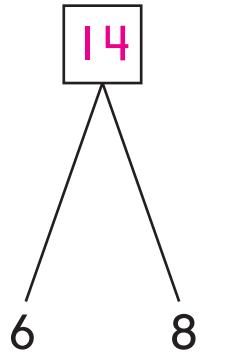
4	8	7	9	6	8
+ 5	+ 3	+ 8	+ 0	+ 9	+ 5
9	11	15	9	15	13

Subtract.

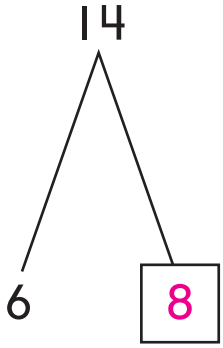
2.

14	11	18	10	7	15
− 6	− 5	− 9	− 5	− 5	− 6
8	6	9	5	2	9

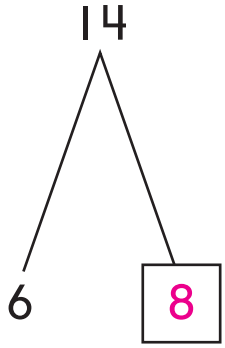
3. Complete the Math Mountains and equations.



$6 + 8 = \boxed{14}$



$6 + \boxed{8} = 14$



$14 - 6 = \boxed{8}$

Write the unknown addend (partner).

4. $6 + \boxed{6} = 12$ $\quad 15 - 7 = \boxed{8}$ $\quad 7 + \boxed{9} = 16$

5. **Stretch Your Thinking** You have a stack of pennies. Without counting the pennies, how can you know if there is an odd or even number of them?

Sample answer: I can put the pennies in 2 rows and match them.

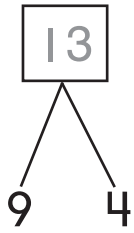
If there is 1 penny left over, there is an odd number of pennies.

If all the pennies have a match, there is an even number of pennies.

Homework

Name _____

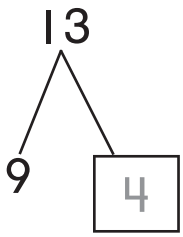
$9 + 4 = \boxed{13}$



$\begin{array}{r} 9 \\ +\ 4 \\ \hline 13 \end{array}$

I find the total.

$13 - 9 = \boxed{4}$



$\begin{array}{r} 13 \\ -\ 9 \\ \hline 4 \end{array}$

I find a partner.

Find the total or partner.

1.

$\begin{array}{r} 5 \\ +\ 6 \\ \hline 11 \end{array}$	$\begin{array}{r} 9 \\ +\ 8 \\ \hline 17 \end{array}$	$\begin{array}{r} 8 \\ +\ 3 \\ \hline 11 \end{array}$	$\begin{array}{r} 9 \\ +\ 4 \\ \hline 13 \end{array}$	$\begin{array}{r} 6 \\ +\ 6 \\ \hline 12 \end{array}$	$\begin{array}{r} 8 \\ +\ 6 \\ \hline 14 \end{array}$

2.

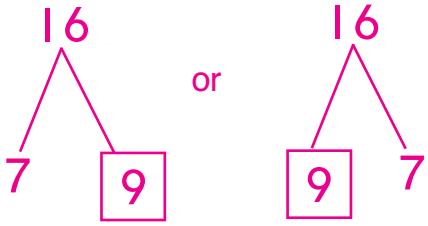
$\begin{array}{r} 11 \\ -\ 9 \\ \hline 2 \end{array}$	$\begin{array}{r} 14 \\ -\ 6 \\ \hline 8 \end{array}$	$\begin{array}{r} 11 \\ -\ 4 \\ \hline 7 \end{array}$	$\begin{array}{r} 13 \\ -\ 5 \\ \hline 8 \end{array}$	$\begin{array}{r} 12 \\ -\ 3 \\ \hline 9 \end{array}$	$\begin{array}{r} 16 \\ -\ 9 \\ \hline 7 \end{array}$

3.

$\begin{array}{r} 16 \\ -\ 8 \\ \hline 8 \end{array}$	$\begin{array}{r} 15 \\ -\ 7 \\ \hline 8 \end{array}$	$\begin{array}{r} 12 \\ -\ 5 \\ \hline 7 \end{array}$	$\begin{array}{r} 11 \\ -\ 2 \\ \hline 9 \end{array}$	$\begin{array}{r} 17 \\ -\ 9 \\ \hline 8 \end{array}$	$\begin{array}{r} 14 \\ -\ 7 \\ \hline 7 \end{array}$

4. Draw a Math Mountain to solve.

$16 - 7 = \boxed{9}$



Name _____

Remembering

Add.

1.

4	8	9	7	8	5
+ 9	+ 8	+ 8	+ 2	+ 9	+ 9
13	16	17	9	17	14

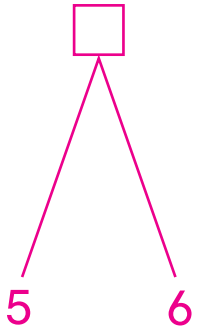
Subtract.

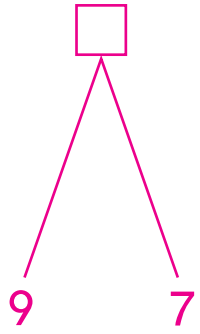
2.

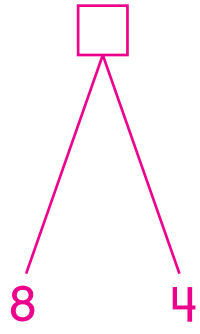
15	11	16	9	14	8
− 8	− 3	− 7	− 6	− 8	− 8
7	8	9	3	6	0

3. Draw a Math Mountain and write one more equation.

Equations may vary. Order of addends in Math Mountains may vary.







$5 + 6 = \square$ $9 + 7 = \square$ $8 + 4 = \square$

$6 + 5 = \square$ $7 + 9 = \square$ $\square = 8 + 4$

Complete the addition doubles equation.

4. $\boxed{9} + \boxed{9} = 18$ **5.** $\boxed{6} + \boxed{6} = 12$

6. Stretch Your Thinking Suppose you cannot remember the answer to $15 - 8 = \square$. What could you do to solve?

Sample answers: I could draw a picture. I could think of the related addition sentence $8 + \square = 15$.

1-9

Homework

Name _____

Add in any order. Write the total.

1. $9 + 1 + 4 =$ 14

2. $6 + 9 + 1 =$ 16

3. $8 + 9 + 1 =$ 18

4. $7 + 8 + 2 =$ 17

5. $7 + 5 + 3 =$ 15

6. $8 + 8 + 2 =$ 18

7. $1 + 4 + 8 =$ 13

8. $5 + 6 + 7 =$ 18

9. $4 + 3 + 8 =$ 15

10. $2 + 7 + 6 =$ 15

11. $9 + 9 + 2 =$ 20

12. $6 + 3 + 7 =$ 16

13. $4 + 3 + 2 + 4 =$ 13

14. $6 + 4 + 5 + 5 =$ 20

15. $8 + 3 + 1 + 7 =$ 19

16. $1 + 7 + 2 + 4 =$ 14

17. $3 + 7 + 9 + 3 =$ 22

18. $7 + 6 + 3 + 4 =$ 20

19. $8 + 3 + 9 + 3 =$ 23

20. $1 + 8 + 9 + 4 =$ 22

I-9 Name

Remembering

Add.

1.

7	8	9	4	3	5
+ 9	+ 5	+ 6	+ 2	+ 9	+ 1
16	13	15	6	12	6

Subtract.

2.

17	12	13	5	11	18
− 8	− 5	− 7	− 5	− 2	− 9
9	7	6	0	9	9

Make a ten to find the total.

3. 9 + 6 = 15 8 + 8 = 16 8 + 3 = 11

4. 5 + 7 = 12 6 + 8 = 14 4 + 9 = 13

Find the total or partner.

5.

4	8	9	5	4	6
+ 8	+ 7	+ 5	+ 6	+ 4	+ 9
12	15	14	11	8	15

6.

16	11	14	15	11	13
− 9	− 5	− 7	− 9	− 4	− 9
7	6	7	6	7	4

7. **Stretch Your Thinking** Explain a way you could add 3 + 4 + 7 + 6.

Sample answer: I could make tens. I would add 3 + 7 and then 4 + 6 to find a total of 20.

1-10

Homework

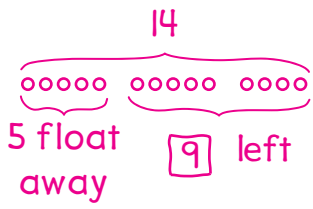
Name _____

Make a drawing. Write an equation. Solve the problem.

Show your work.

Children's drawings or equations may vary.

1. Brad has 14 toy boats. 5 of them float away. How many does he have now?



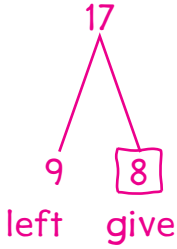
14 - 5 = 9

9 toy boats

label

boat

2. Moses collects 17 rocks. He gives some of them away. Now he has 9 rocks left. How many does he give away?



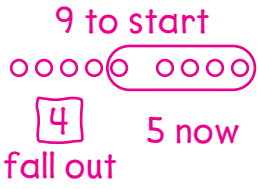
17 - 8 = 9

8 rocks

label

rock

3. Claire has 9 markers in her backpack. Some fall out on the way home. Now she has only 5 markers. How many markers fall out of her backpack?



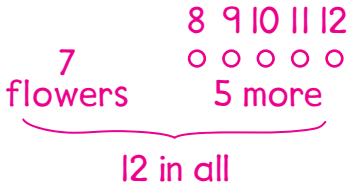
9 - 4 = 5

4 markers

label

backpack

4. A honeybee visits 7 flowers in the garden. Then it visits 5 more. How many flowers does the honeybee visit in all?



7 + 5 = 12

12 flowers

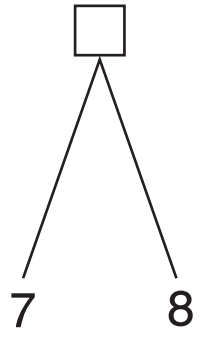
label

honeybee

Name _____

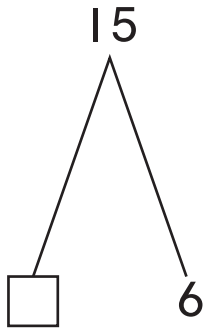
Remembering

1. Write two equations for each Math Mountain. Equations may vary.



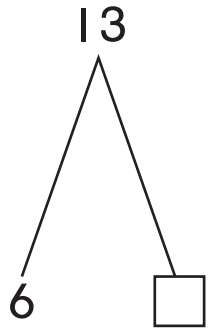
$7 + 8 = \square$

$\square = 8 + 7$



$15 - 6 = \square$

$6 + \square = 15$



$6 + \square = 13$

$13 - 6 = \square$

Write the unknown addend (partner).

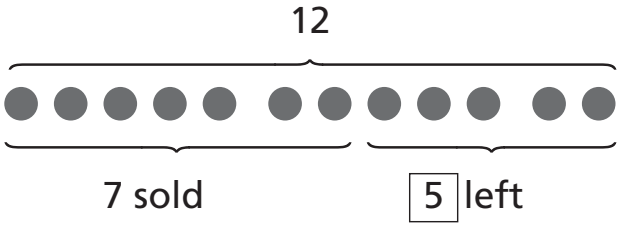
2. $5 + \boxed{6} = 11$ $\quad 13 - 8 = \boxed{5}$ $\quad 15 - 6 = \boxed{9}$

Add in any order. Write the total.

3. $5 + 3 + 5 = \boxed{13}$ $\quad 7 + 8 + 3 = \boxed{18}$ $\quad 2 + 9 + 7 = \boxed{18}$

4. $8 + 2 + 3 + 4 = \boxed{17}$ $\quad 2 + 6 + 6 + 8 = \boxed{22}$

5. **Stretch Your Thinking** Write a word problem to match this drawing.



Sample answer: Mrs. Sanchez baked 12 muffins for the bake sale.

She sold 7 muffins. How many does she have left? 5 muffins left

1-11

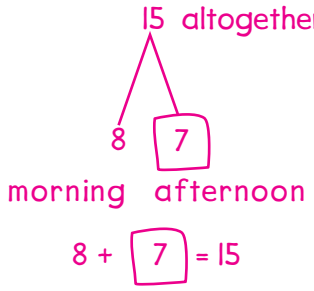
Homework

Name _____

Make a drawing. Write an equation.
Solve the problem. Drawings and equations may vary. **Show your work.**

1. In the morning, Nick makes 8 animals out of clay. In the afternoon, he makes some more clay animals. Altogether, he makes 15 clay animals. How many did he make in the afternoon?

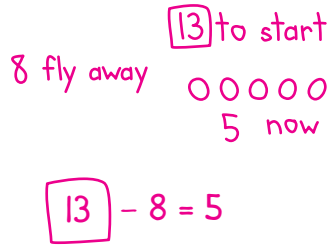

clay animal



7 clay animals
label

2. Carrie sees some birds in a tree. 8 fly away. 5 are left. How many birds were in the tree in the beginning?

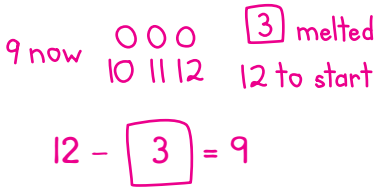

bird



13 birds
label

3. Leon and his friends made 12 snowmen. The next day, Leon sees that some of them have melted. Only 9 snowmen are left. How many melted?

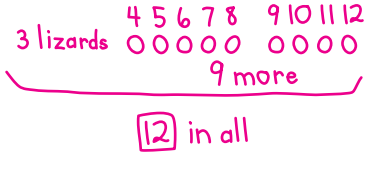

snowmen



3 snowmen
label

4. 3 lizards sit on a rock in the sun. Then 9 more come out and sit on the rock. How many lizards are on the rock now?


rock



12 lizards
label

Name _____

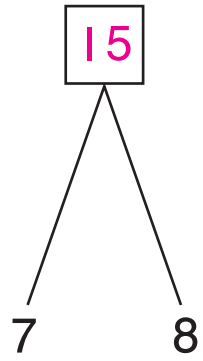
Remembering

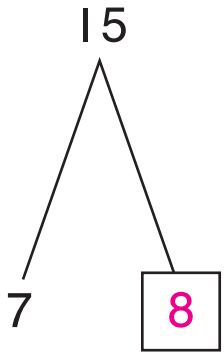
Add. Use doubles.

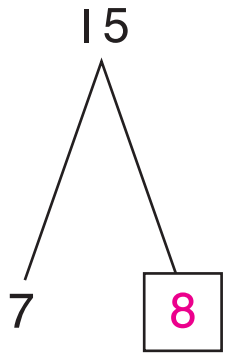
1. $8 + 6 = \boxed{14}$ $7 + 8 = \boxed{15}$ $5 + 6 = \boxed{11}$

2. $7 + 6 = \boxed{13}$ $11 + 9 = \boxed{20}$ $8 + 9 = \boxed{17}$

3. Complete the Math Mountains and equations.







$7 + 8 = \boxed{15}$ $7 + \boxed{8} = 15$ $15 - 7 = \boxed{8}$

Make a ten to find the total.

4. $5 + 9 = \boxed{14}$ $5 + 8 = \boxed{13}$ $3 + 9 = \boxed{12}$

5. $8 + 6 = \boxed{14}$ $4 + 7 = \boxed{11}$ $9 + 7 = \boxed{16}$

6. **Stretch Your Thinking** Write a word problem to match this drawing.

Sample answer: Rohan and Tina saw 11 butterflies on a bush. Some butterflies flew away. Now there are 6 butterflies. How many flew away?

1-12

Homework

Name _____

Make a drawing. Write an equation.
Solve the problem. Drawings and equations may vary.

Show your work.

1. There are some pigs on Mr. Smith's farm. 8 of them are eating corn. The other 7 are drinking water. How many pigs are on Mr. Smith's farm?

15 pigs
label

15 pigs
corn 8 + 7 water
8 + 7 = 15


pig

2. Wendy buys 3 blue balloons and some red balloons for a party. She buys 11 balloons. How many red balloons does she buy?

8 red balloons
label

3 + 7 + 1
8
3 + 8 = 11


balloon

3. There are 14 children at the park. 7 of them are on the swings. The rest are jumping rope. How many are jumping rope?

7 children
label

14 All
swings 7 | 7 | jumping rope
14 - 7 = 7


jump rope

4. Sean buys 9 red tomatoes and 6 green tomatoes. How many tomatoes does he buy?

15 tomatoes
label

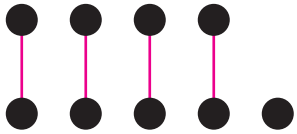
9 | 0 0 0 0 0 0
R G
15 in all
9 + 6 = 15


tomato

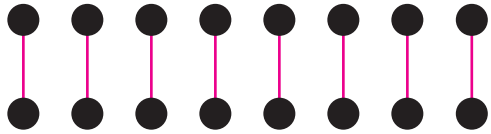
Name _____

Remembering

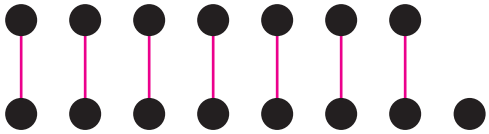
Draw lines to make pairs. Write odd or even.

1. 

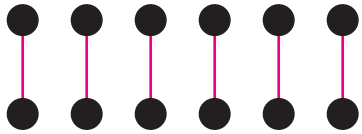
odd

2. 

even

3. 

odd

4. 

even

Add. Use doubles.

5. $7 + 8 = \boxed{15}$ $9 + 8 = \boxed{17}$ $5 + 4 = \boxed{9}$

6. $8 + 6 = \boxed{14}$ $5 + 3 = \boxed{8}$ $6 + 7 = \boxed{13}$

Find the total or partner.

7.

4	5	9	7	3	2
+ 8	+ 8	+ 9	+ 6	+ 9	+ 9
12	13	18	13	12	11

8.

16	12	15	14	12	8
− 8	− 3	− 7	− 5	− 7	− 2
8	9	8	9	5	6

9. **Stretch Your Thinking** Write a word problem that uses doubles and solve.

Sample answer: There are 8 boys waiting in line. The same number of girls are waiting in line. How many children are waiting in line? 16 children

1-13

Homework

Name _____

Make a drawing. Write an equation. Solve the problem.
Drawings and equations may vary.

Show your work.

1. One bus has 6 girls and 7 boys on it. How many children are on the bus?

6 ○○○○○ | ○○
g b

6 + 7 = 13

bus

13 children

label

2. Pang buys some oranges. Bill buys 6 pears. Pang and Bill buy 13 pieces of fruit. How many oranges does Pang buy?

6 + ○○○○○ ○○
13

6 + 7 = 13

orange

7 oranges

label

3. Davant has 16 birds. He has 7 parrots. The rest are canaries. How many canaries does Davant have?

16 birds

9 canaries, 7 parrots

16 - 7 = 9

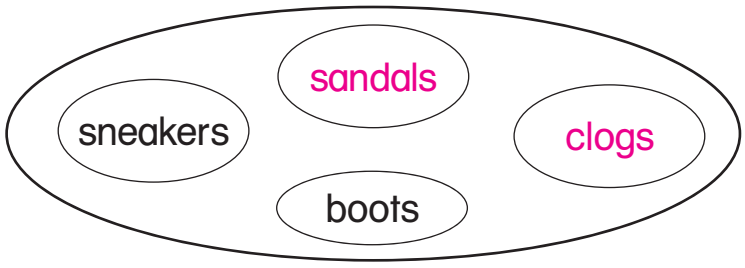
canary

9 canaries

label

4. Complete the diagram by adding at least two things in the circle. Write the group name.

Answers will vary.



Shoes

Group Name

Name _____

Remembering

Make a ten to find the total.

1. $9 + 5 = \boxed{14}$ $\quad 4 + 9 = \boxed{13}$ $\quad 8 + 5 = \boxed{13}$

2. $8 + 6 = \boxed{14}$ $\quad 7 + 7 = \boxed{14}$ $\quad 4 + 8 = \boxed{12}$

Find the unknown addend (unknown partner).

3. $7 + \boxed{6} = 13$ $\quad 17 - 8 = \boxed{9}$ $\quad 9 - 7 = \boxed{2}$

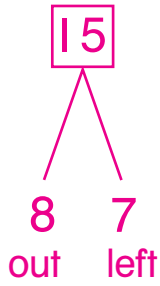
Make a drawing. Write an equation. Solve the problem. **Show your work.**

Drawings and equations may vary.

4. Jim has a box of crayons. He pulls out 8 crayons. 7 are left. How many crayons were in the box to start?

$\boxed{15}$ crayons

label

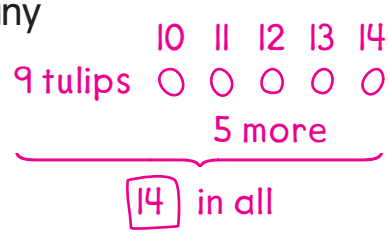


$8 + 7 = \boxed{15}$

5. Tanya has 9 tulips in a vase. She adds 5 more tulips to the vase. How many tulips are in the vase now?

$\boxed{14}$ tulips

label



$9 + 5 = \boxed{14}$

6. **Stretch Your Thinking** Write an addition and a subtraction equation you could use to solve this problem: Jill has 6 pens. Ian has some pens. Together they have 14 pens. How many pens does Ian have?

$6 + \boxed{8} = 14$ $\quad 14 - 6 = \boxed{8}$

1-14

Homework

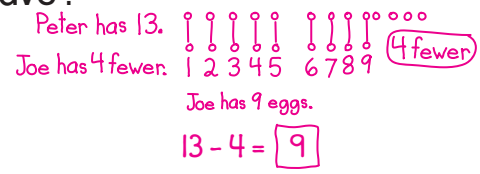
Name _____

Make a matching drawing or draw comparison bars.
Solve the problem. Drawings and equations may vary.

Show your work.

1. Peter has 13 eggs. Joe has 4 fewer eggs than Peter. How many eggs does Joe have?

eggs

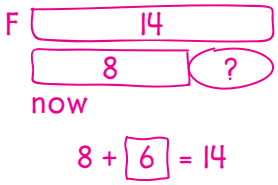


9 eggs

label

2. I want to give each of my 14 friends an apple. I have 8 apples in my basket. How many more apples do I need to pick to give each friend an apple?

basket

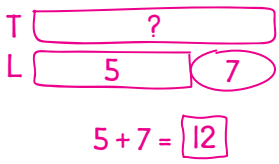


6 more apples

label

3. Lë has 5 lemons. Tina has 7 more lemons than Lë. How many lemons does Tina have?

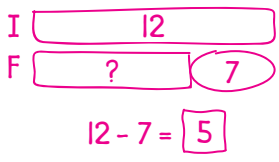
lemon



12 lemons

label

Write Your Own Complete this word problem.
Draw comparison bars and solve.
Sample answer is given.



4. I have 12 pencils.

My friend has 7 fewer pencils than I have. How many pencils does my friend have?

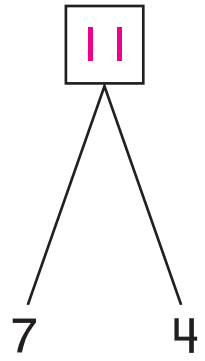
5 pencils

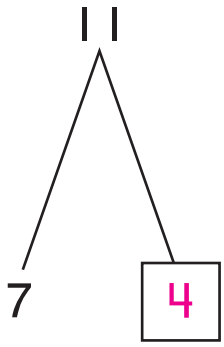
label

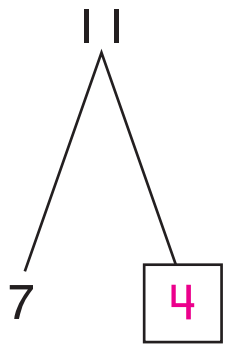
Name _____

Remembering

1. Complete the Math Mountains and equations.







$7 + 4 = \boxed{11}$ $\quad 7 + \boxed{4} = 11$ $\quad 11 - 7 = \boxed{4}$

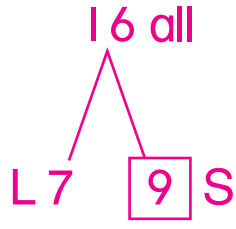
Find the unknown addend (unknown partner).

2. $7 + \boxed{8} = 15$ $\quad 13 - \boxed{8} = 5$ $\quad 9 + \boxed{6} = 15$

3. $3 + \boxed{6} = 9$ $\quad 13 - \boxed{7} = 6$ $\quad 8 + \boxed{3} = 11$

Make a drawing. Write an equation.
Solve the problem. Drawings and equations may vary. **Show your work.**

4. A table has 16 glasses on it. 7 of the glasses are large. The rest are small. How many glasses are small?

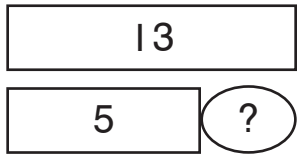


$16 - 7 = \boxed{9}$

$\boxed{9}$ glasses

label

5. Stretch Your Thinking Write a word problem to match this comparison bar drawing and solve.



Sample: Mrs. Neal needs 13 books for her class. She has 5 books. How many more books does she need?

8 more books

Name _____

Make a drawing. Write an equation. **Show your work.**
Solve the problem. Drawings and equations will vary.

1. Parker and Natu go to the store to buy sunglasses. Parker pays $9 for his sunglasses. Natu pays $6 more than Parker. How much does Natu pay for his sunglasses?

N [?]
P [9] [6] more

9 + 6 = 15


sunglasses

15 dollars
label

2. A small ball costs 8 cents. A ring costs 8 more cents than the small ball. How many cents does a ring cost?

ring [?]
ball [8¢] [8¢]

16 = 8 + 8


ring

16 cents
label

3. If Jared gives away 4 strawberries, he will have as many strawberries as Phil. Jared has 11 strawberries. How many strawberries does Phil have?

J [11]
P [?] [4]

11 - 4 = 7


strawberries

7 strawberries
label

4. Andrew has 11 soccer balls. William has 3 soccer balls. How many fewer soccer balls does William have than Andrew?

Andrew has 11. 1 2 3 4 5 6 7 8
William has 3. 8 fewer

11 - 3 = 8


soccer ball

8 fewer soccer balls
label

Name _____

Remembering

Add.

1.

5	9	8	2	6	8
+ 6	+ 3	+ 3	+ 9	+ 6	+ 6
11	12	11	11	12	14

Make a drawing. Write an equation.
Solve the problem. Drawings and equations may vary.

Show your work.

14

$9 + \boxed{5} = 14$

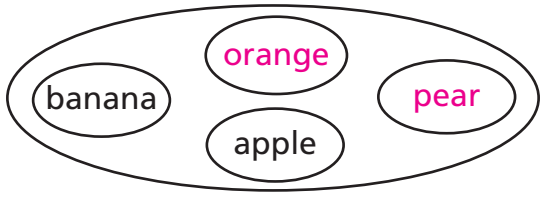
2. Jamie has some grapes on her plate. Tom has 9 grapes. Together, Jamie and Tom have 14 grapes. How many grapes does Jamie have?

5 grapes

label

3. Complete the diagram by adding at least two things in the circle. Write the group name.

Answers will vary.



Fruits

Group Name

4. Stretch Your Thinking Write a word problem that would have the top comparison bar with a question mark in it. Then solve using a comparison bar drawing.

Drawings will vary.

Sample problem: Andy has 5 pennies. Ron has 8 more pennies than Andy has. How many pennies does Ron have? 13 pennies

Name _____

Make a drawing. Write an equation. Solve the problem.

Drawings and equations will vary.

Show your work.

1. Susan rides her bicycle for 14 blocks. Awan rides his bicycle for 8 blocks. How many fewer blocks does Awan ride than Susan?

S 14
A 8 ?

14 - 8 = 6

6 fewer blocks

label

bicycle

2. Eden has 7 blackberries. Her father gives her 9 more. How many blackberries does Eden have now?

in all
7 9
B more

7 + 9 = 16

16 blackberries

label

blackberries

3. There were 9 children on the bus. At the first bus stop, some children get off. 7 children are still on the bus. How many children got off at the first bus stop?

start
left
got off the bus

9 - 2 = 7

2 children

label

bus stop

4. The clown has 12 red balloons. He has 4 blue balloons. How many more red balloons than blue balloons does he have?

R 12
B 4 ?

12 - 8 = 4

8 more red balloons

label

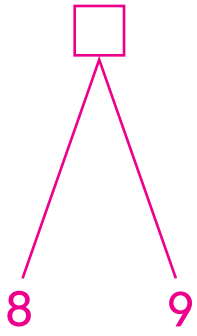
balloons

Name _____

Remembering

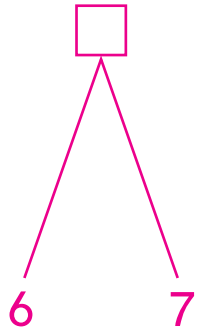
Equations may vary. Order of addends in Math Mountains may vary.

1. Draw a Math Mountain and write one more equation.



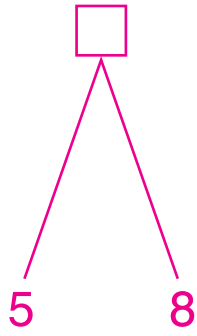
$8 + 9 = \square$

$9 + 8 = \square$



$6 + 7 = \square$

$\square = 7 + 6$



$5 + 8 = \square$

$8 + 5 = \square$

Complete the addition doubles equation.

2. $\boxed{6} + \boxed{6} = 12$ $\quad\quad$ $\boxed{9} + \boxed{9} = 18$

Find the total or partner.

3.

3	6	8	7	1	4
+ 7	+ 8	+ 9	+ 7	+ 9	+ 9
10	14	17	14	10	13

4.

16	14	13	16	12	9
− 9	− 5	− 7	− 8	− 4	− 5
7	9	6	8	8	4

5. **Stretch Your Thinking** Write a word problem that you could use a Math Mountain drawing to solve. Then solve it.

Drawing should match the word problem.

Sample problem: John has 8 cards. Shelia gives him 5 more. How many cards does he have now?

13 cards

I-17

Homework

Name _____

Cross out the extra information or write hidden or missing information. Then solve the problem. **Show your work.**

dinosaur

1. Joel has 9 dinosaur cards ~~and 8 bird cards~~. His friend Peja has 6 dinosaur cards. How many dinosaur cards do the two friends have altogether?

15 dinosaur cards

label

hands

2. I have a ring for each finger of both hands. I want to buy 4 more rings. How many rings will I have then?

I have 10 fingers.

14 rings

label

coin

3. Erica had 6 coins in her coin collection. She goes to a coin show and buys some more coins. How many coins does she have now?

Erica buys 5 coins.

Answers will vary.

11 coins

label

I-17 Name

Remembering

Add in any order. Write the total.

1. $7 + 3 + 5 =$ 15 $\quad 8 + 4 + 8 =$ 20

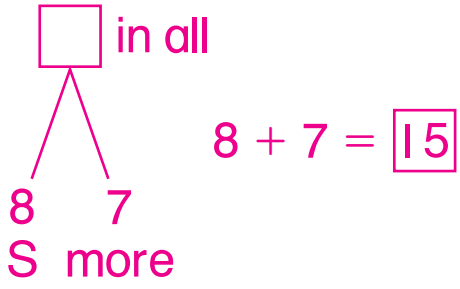
2. $4 + 2 + 8 =$ 14 $\quad 1 + 6 + 9 =$ 16

3. $6 + 2 + 4 + 4 =$ 16 $\quad 2 + 6 + 4 + 8 =$ 20

Make a drawing. Write an equation. **Show your work.**
Solve the problem. Equations and drawings will vary.

4. Ryan has 8 stickers. His friend gives him 7 more. How many stickers does Ryan have now?

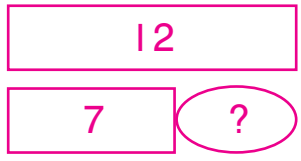
15 stickers
label



$8 + 7 =$ 15

5. The top shelf has a display of 12 pictures. The bottom shelf has 7 pictures. How many fewer pictures are on the bottom shelf than are on the top shelf?

5 fewer pictures
label



$12 - 7 =$ 5

6. **Stretch Your Thinking** Why can a problem with extra information be difficult to solve?

Possible response: If you don't realize that some of the information is extra, you might use it to solve the problem. Then you will get the wrong answer.

I-18

Homework

Name _____

Draw comparison bars. Write an equation. Solve the problem.

Drawings and equations will vary.

Show your work.

1. Morgan sees 15 birds on a bird-watching trip. She sees 6 more birds than Shari. How many birds does Shari see?

M [15]
S [?] [6]

9 = 15 − 6

bird

9 birds

label

2. There are 5 fewer trucks than cars in the parking lot. If there are 8 trucks, how many cars are there?

C [?]
T [8] [5]

13 = 8 + 5

parking lot

13 cars

label

3. Anh makes 12 quilts. Krista makes 7 fewer quilts than Anh. How many quilts does Krista make?

A [12]
K [?] [7]

12 − 7 = 5

quilt

5 quilts

label

4. There are 8 fewer tigers than lions at the zoo. There are 8 tigers at the zoo. How many lions does the zoo have?

L [?]
T [8] [8]

8 + 8 = 16

lion

16 lions

label

I-18 Name

Remembering

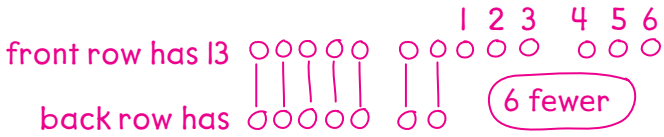
Find the unknown addend (unknown partner).

1. $3 + \boxed{9} = 12$ $\quad 14 - \boxed{6} = 8$ $\quad 15 - 6 = \boxed{9}$

2. $4 + \boxed{9} = 13$ $\quad 15 - \boxed{8} = 7$ $\quad 14 - 7 = \boxed{7}$

Solve the word problems. Drawings will vary. **Show your work.**

3. There are 13 dancers in the front row. 7 dancers are in the back row. How many fewer dancers are in the back row than are in the front row?

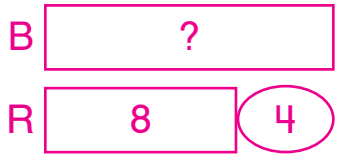


$13 - 7 = \boxed{6}$

$\boxed{6}$ fewer dancers

label

4. There are 8 birds in the red cage. The blue cage has 4 more birds than the red cage. How many birds are in the blue cage?



$8 + 4 = \boxed{12}$

$\boxed{12}$ birds

label

5. Stretch Your Thinking When would you use a drawing of comparison bars for a word problem?

Possible response: I would use it if the question asks how two pieces of information compare to each other. For example: how many fewer of one thing than another

1-19

Homework

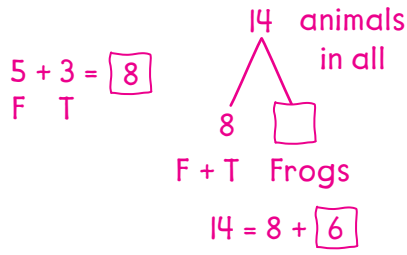
Name _____

Think about the first-step question. Then solve the problem.

Drawings and equations will vary.

Show your work.

1. Bessie counts 5 fish, 3 turtles, and some frogs. She counts 14 animals altogether. How many frogs does Bessie count?

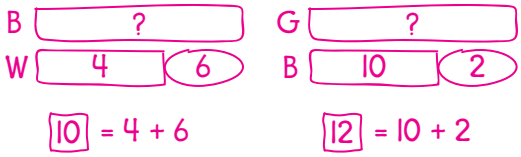


turtle

6 frogs

label

2. Amy has 6 more blue feathers than white feathers. She has 2 more green feathers than blue feathers. Amy has 4 white feathers. How many green feathers does Amy have?

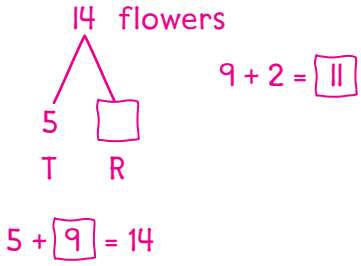


feather

12 green feathers

label

3. Mr. Green puts 5 tulips and some roses in a vase. There are 14 flowers in the vase. Then Mrs. Green adds 2 more roses to the vase. How many roses are in the vase now?



vase

11 roses

label

Name _____

Remembering

Subtract.

1.

17	14	16	15	11	14
− 9	− 6	− 7	− 8	− 6	− 8
8	8	9	7	5	6

Add. Use doubles.

2. 4 + 3 = [7] 7 + 8 = [15] 6 + 4 = [10]

3. 7 + 6 = [13] 5 + 7 = [12] 8 + 9 = [17]

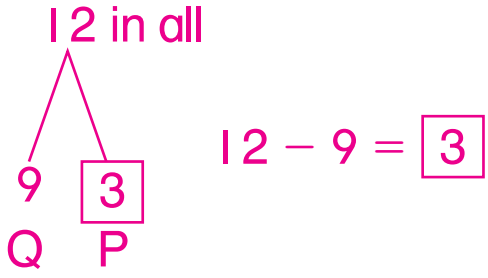
Make a drawing. Write an equation. Solve the problem. **Show your work.**

Equations and drawings will vary.

4. Tom has 12 coins. 9 of them are quarters. The rest are pennies. How many pennies does Tom have?

[3] pennies

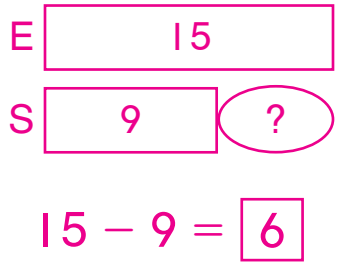
label



5. Erica has 15 stickers. Sharon has 9 stickers. How many fewer stickers does Sharon have than Erica?

[6] fewer stickers

label



6. **Stretch Your Thinking** Are all two-step word problems solved the same way? Explain.

Possible response: No, they can use different operations. Even the same word problem can sometimes be solved in different ways.

I-20

Homework

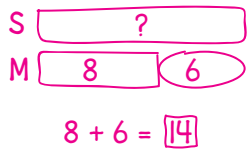
Name _____

Make a drawing. Write an equation. Solve the problem.

Drawings and equations will vary.

Show your work.

1. Malia has 8 hamsters. That is 6 fewer than Sasha has. How many hamsters does Sasha have?

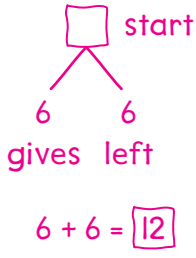


hamster

14 hamsters

label

2. Han brings some sandwiches to a picnic. He gives 6 sandwiches to his friends. Now he has 6 sandwiches left. How many sandwiches did Han bring to the picnic?

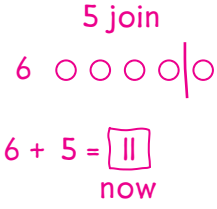


sandwich

12 sandwiches

label

3. 15 children are playing marbles. 9 are boys and the rest are girls. Then 5 more girls join them. How many girls are playing marbles now?

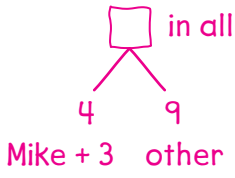


marbles

11 girls

label

4. Mike and 3 friends go to the theater. There are 9 other children at the theater. How many children are at the theater altogether?



4 + 9 = 13

theater

13 children

label

I-20 Name _____

Remembering

Make a ten to find the total.

1. $8 + 7 = \boxed{15}$ $2 + 9 = \boxed{11}$ $7 + 5 = \boxed{12}$

2. $7 + 4 = \boxed{11}$ $3 + 8 = \boxed{11}$ $8 + 4 = \boxed{12}$

Add in any order. Write the total.

3. $5 + 3 + 7 = \boxed{15}$ $9 + 8 + 1 = \boxed{18}$

4. $5 + 4 + 5 + 2 = \boxed{16}$ $8 + 2 + 9 + 4 = \boxed{23}$

Find the total or partner.

5.

5	6	7	6	8	2
+ 7	+ 9	+ 9	+ 6	+ 4	+ 9
12	15	16	12	12	11

6.

11	17	14	15	12	16
− 4	− 9	− 8	− 8	− 3	− 9
7	8	6	7	9	7

7. **Stretch Your Thinking** Write a problem that can be solved with addition or subtraction. Then solve it.

Possible response: Kate has 16 ribbons. Mark has 7 fewer ribbons than Kate has. How many ribbons does Mark have? 9 ribbons

1-21

Homework

Name _____

Mrs. Wise and her three children went to the apple orchard.
The table shows the number of apples each picked.

Apples Picked

Name	Number
Mrs. Wise	6
Michelle	4
George	3
Jen	4

Use the table to solve each story problem. **Show your work.**

1. What was the total number of apples they picked?

17 apples

label

2. Two children picked the same number of apples.
Who were the children?

Michelle and Jen

How many apples did those two children pick in all?

8 apples

label

3. Use the information in the table to write your own problem. Solve the problem.

Children's problems will vary.

_____

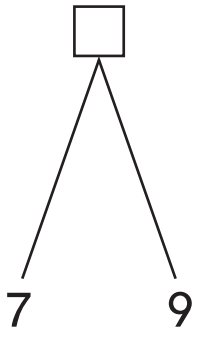
_____

label

I-21 Name

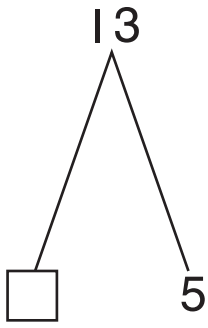
Remembering

1. Write two equations for each Math Mountain.



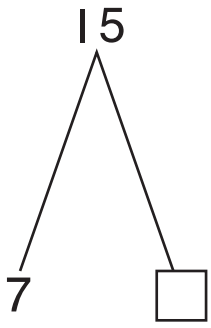
$7 + 9 = \square$

$\square = 9 + 7$



$13 - 5 = \square$

$5 + \square = 13$



$7 + \square = 15$

$15 - 7 = \square$

Write the unknown addend (partner).

2. $6 + \boxed{5} = 11$ $\quad 18 - 9 = \boxed{9}$ $\quad 5 + \boxed{8} = 13$

Solve the word problem. **Show your work.**

3. Don has 5 more pencils than crayons. He has 3 more markers than pencils. Don has 7 crayons. How many markers does Don have?

$\boxed{15}$ markers

label

4. **Stretch Your Thinking** Fifteen children voted for their favorite color. The votes for red and blue together were double the votes for green and yellow together. How did the children vote?

Possible answer: 4 red, 6 blue, 1 green, 4 yellow

Favorite Color Votes	
Color	**Votes**
Red	
Blue	
Green	
Yellow	

2-1

Homework

Name _____

1. Write the numbers going down to see the tens.

1	11	21	31	41	51	61	71	81	91
2	12	22	32	42	52	62	72	82	92
3	13	23	33	43	53	63	73	83	93
4	14	24	34	44	54	64	74	84	94
5	15	25	35	45	55	65	75	85	95
6	16	26	36	46	56	66	76	86	96
7	17	27	37	47	57	67	77	87	97
8	18	28	38	48	58	68	78	88	98
9	19	29	39	49	59	69	79	89	99
10	20	30	40	50	60	70	80	90	100

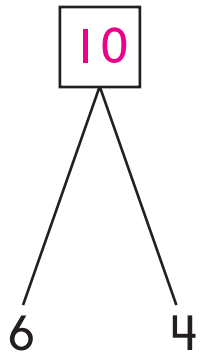
2. What number comes after 100? 101

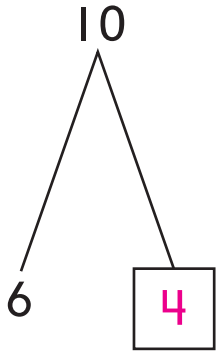
3. What number comes next? 102

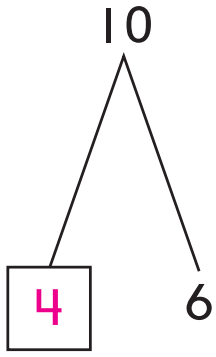
2-1 Name

Remembering

1. Complete the Math Mountains and equations.







$6 + 4 = \boxed{10}$ $6 + \boxed{4} = 10$ $10 - 6 = \boxed{4}$

Make a ten to find the total.

2. $5 + 7 = \boxed{12}$ $8 + 5 = \boxed{13}$ $4 + 9 = \boxed{13}$

3. $2 + 9 = \boxed{11}$ $3 + 8 = \boxed{11}$ $6 + 8 = \boxed{14}$

4. $7 + 9 = \boxed{16}$ $5 + 6 = \boxed{11}$ $4 + 8 = \boxed{12}$

5. $9 + 9 = \boxed{18}$ $7 + 6 = \boxed{13}$ $6 + 6 = \boxed{12}$

6. **Stretch Your Thinking** Add 2 tens to 100. What is the number? Explain your thinking.

120; Children's explanations may vary.

2-2

Homework

Name _____

Add.

1. $50 + 40 = \underline{90}$ $\quad 80 + 10 = \underline{90}$ $\quad 60 + 20 = \underline{80}$

$5 + 4 = \underline{9}$ $\quad 8 + 1 = \underline{9}$ $\quad 6 + 2 = \underline{8}$

---

2. $10 + 70 = \underline{80}$ $\quad 30 + 70 = \underline{100}$ $\quad 40 + 30 = \underline{70}$

$1 + 7 = \underline{8}$ $\quad 3 + 7 = \underline{10}$ $\quad 4 + 3 = \underline{7}$

---

3. $30 + 60 = \underline{90}$ $\quad 20 + 80 = \underline{100}$ $\quad 50 + 40 = \underline{90}$

$3 + 6 = \underline{9}$ $\quad 2 + 8 = \underline{10}$ $\quad 5 + 4 = \underline{9}$

---

4. $50 + 30 = \underline{80}$ $\quad 70 + 20 = \underline{90}$ $\quad 40 + 60 = \underline{100}$

$5 + 3 = \underline{8}$ $\quad 7 + 2 = \underline{9}$ $\quad 4 + 6 = \underline{10}$

---

5. $90 + 10 = \underline{100}$ $\quad 50 + 20 = \underline{70}$ $\quad 20 + 30 = \underline{50}$

$9 + 1 = \underline{10}$ $\quad 5 + 2 = \underline{7}$ $\quad 2 + 3 = \underline{5}$

---

6. $30 + 10 = \underline{40}$ $\quad 50 + 30 = \underline{80}$ $\quad 40 + 20 = \underline{60}$

$3 + 1 = \underline{4}$ $\quad 5 + 3 = \underline{8}$ $\quad 4 + 2 = \underline{6}$

2-2 Name

Remembering

Make a ten to find the total.

1. $8 + 4 = \boxed{12}$ $5 + 9 = \boxed{14}$ $6 + 8 = \boxed{14}$

2. $5 + 9 = \boxed{14}$ $6 + 7 = \boxed{13}$ $3 + 8 = \boxed{11}$

3. $2 + 9 = \boxed{11}$ $7 + 5 = \boxed{12}$ $6 + 9 = \boxed{15}$

4. $9 + 9 = \boxed{18}$ $4 + 8 = \boxed{12}$ $8 + 8 = \boxed{16}$

Find the unknown addend (unknown partner).

5. $3 + \boxed{9} = 12$ $8 + \boxed{5} = 13$ $15 - 7 = \boxed{8}$

6. $6 + \boxed{6} = 12$ $4 + \boxed{9} = 13$ $18 - 9 = \boxed{9}$

7. $7 + \boxed{7} = 14$ $9 + \boxed{8} = 17$ $16 - 9 = \boxed{7}$

8. **Stretch Your Thinking** Draw hundred boxes, ten sticks, and circles to show a number between 100 and 200. What number did you show?

Answers and drawings will vary.

2-3

Homework

Name _____

Draw the number using hundred boxes, ten sticks, and circles. Then write the expanded form.

1.

176

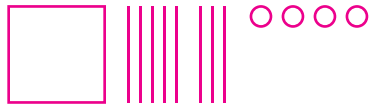
100 + 70 + 6

2.

143

100 + 40 + 3

3.



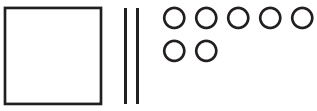
184

100 + 80 + 4

What number is shown?

H = Hundreds, T = Tens, O = Ones

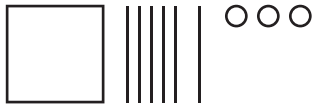
4.



1 H 2 T 7 O

127 = 100 + 20 + 7

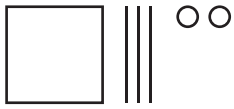
5.



1 H 6 T 3 O

163 = 100 + 60 + 3

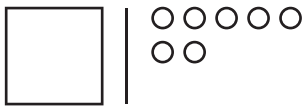
6.



1 H 3 T 2 O

132 = 100 + 30 + 2

7.



1 H 1 T 7 O

117 = 100 + 10 + 7

2-3 Name

Remembering

Write the unknown addend (partner).

1. $5 + \boxed{10} = 15$ $17 - 9 = \boxed{8}$ $7 + \boxed{4} = 11$

2. $6 + \boxed{8} = 14$ $16 - 7 = \boxed{9}$ $3 + \boxed{8} = 11$

3. $7 + \boxed{8} = 15$ $12 - 7 = \boxed{5}$ $6 + \boxed{9} = 15$

Complete the addition doubles equation.

4. $\boxed{8} + \boxed{8} = 16$

5. $\boxed{5} + \boxed{5} = 10$

6. $\boxed{4} + \boxed{4} = 8$

7. $\boxed{7} + \boxed{7} = 14$

8. $\boxed{6} + \boxed{6} = 12$

9. $\boxed{9} + \boxed{9} = 18$

10. **Stretch Your Thinking** Show 194 two different ways.

Possible answer: 1 hundred box, 9 ten sticks, 4 circles; $100 + 90 + 4$

2-4

Homework

Name _____

Solve. Make a proof drawing. **Show your work.**

1. Mina picks 63 flowers from her garden. She can put 10 flowers in each vase. How many vases can she fill? How many extra flowers will she have?

6 vases 3 extra flowers

2. Luisa has 85 coupons. She can trade in 10 of them for a toy. How many toys can Luisa get for her coupons? How many coupons will she have left over?

8 toys 5 coupons left over

3. Dr. Turk wants to buy books that cost 10 dollars each. He has 145 dollars. How many books can he buy? How many dollars will he have left over?

14 books 5 dollars left over

4. The track team has 72 water bottles. They pack them 10 to a box. How many boxes do they fill? How many water bottles are left over?

7 boxes 2 water bottles left over

2-4 Name

Remembering

Make a drawing. Write an equation.
Solve the problem. **Show your work.**

1. Amir had 9 books. He went to the library and got 4 more. How many does he have now?

13 books
label

2. Bella had 15 balloons. Some of the balloons flew away. Now she has 8 balloons left. How many balloons flew away?

7 balloons
label

3. What number is 10 more than 9? Explain or show how you know.

19; Children's explanations may vary.

4. Write the numbers from 34 to 44.

34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44

5. Stretch Your Thinking Make a math drawing to solve the word problem. There are 47 children in Ali's gym class. They need to stand in groups of 10. How many groups of children will there be? How many children will not be in a group of 10?

Check children's drawings.

4 groups 7 children not in a group of 10

2-5

Homework

Name _____

Make a drawing for each number. Write <, >, or =.

1. 131 < 141

2. 29 > 28

3. 56 = 56

4. 132 > 38

Write <, >, or =.

5. 157 < 175

6. 103 < 107

7. 80 > 18

8. 100 = 100

9. 148 < 149

10. 116 > 99

11. 122 < 150

12. 73 < 111

13. 64 = 64

14. 188 > 186

2-5 Name

Remembering

Add.

1. 40 + 30 = 70 60 + 20 = 80 90 + 10 = 100
   4 + 3 = 7 6 + 2 = 8 9 + 1 = 10

2. 50 + 50 = 100 70 + 20 = 90 80 + 20 = 100
   5 + 5 = 10 7 + 2 = 9 8 + 2 = 10

3. 20 + 50 = 70 30 + 20 = 50 40 + 50 = 90
   2 + 5 = 7 3 + 2 = 5 4 + 5 = 9

Draw the number using hundred boxes, ten sticks, and circles. Then write the expanded form.

4. 

153

100 + 50 + 3

5. 

118

100 + 10 + 8

6. **Stretch Your Thinking** Which number is greater, 134 or 143? Explain. Draw a picture if you like.

143; Possible answer: both numbers have 1 hundred but 143 has more tens.

2-6

Homework

Name _____

Add ones, tens, or a hundred.

1. $9 + 8 = \underline{17}$ $7 + 7 = \underline{14}$ $9 + 5 = \underline{14}$

$90 + 80 = \underline{170}$ $70 + 70 = \underline{140}$ $90 + 50 = \underline{140}$

---

2. $6 + 8 = \underline{14}$ $8 + 3 = \underline{11}$ $9 + 7 = \underline{16}$

$60 + 80 = \underline{140}$ $80 + 30 = \underline{110}$ $90 + 70 = \underline{160}$

---

3. $7 + 5 = \underline{12}$ $6 + 9 = \underline{15}$ $8 + 8 = \underline{16}$

$70 + 50 = \underline{120}$ $60 + 90 = \underline{150}$ $80 + 80 = \underline{160}$

---

4. $8 + 7 = \underline{15}$ $6 + 5 = \underline{11}$ $9 + 4 = \underline{13}$

$80 + 70 = \underline{150}$ $60 + 50 = \underline{110}$ $90 + 40 = \underline{130}$

---

5. $100 + 48 = \underline{148}$ $21 + 100 = \underline{121}$ $100 + 2 = \underline{102}$

$10 + 48 = \underline{58}$ $21 + 10 = \underline{31}$ $10 + 2 = \underline{12}$

$1 + 48 = \underline{49}$ $21 + 1 = \underline{22}$ $1 + 2 = \underline{3}$

2-6 Name

Remembering

1. Start with 10. Count by tens to 100.

10, 20, 30, 40, 50, 60, 70, 80, 90, 100

2. Write the numbers from 56 to 66.

56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66

3. Write the numbers from 81 to 91.

81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91

Draw the number using hundred boxes, ten sticks, and circles. Then write the expanded form.

4. 	5. 	6. 
127	109	133
100 + 20 + 7	100 + 0 + 9	100 + 30 + 3

7. **Stretch Your Thinking** Add ones or tens.

4 + 4 = 8

3 + 6 = 9

40 + 40 = 80

30 + 60 = 90

140 + 40 = 180

130 + 60 = 190

2-7

Homework

Name _____

Solve. Make a proof drawing. **Show your work.**

1. Kivy makes 34 baskets. Her father makes 58 baskets. How many baskets do they make in all?

92 baskets

label

2. Glen printed 67 posters yesterday and 86 more today. How many posters did he print altogether?

153 posters

label

Add.

3.

39	67	47
+ 44	+ 56	+ 98
83	123	145

4.

48	85	94
+ 33	+ 68	+ 57
81	153	151

2-7 Name

Remembering

Make a drawing. Write an equation.
Solve the problem. **Show your work.**

1. Elena set the table for 9 people. Three more people came for dinner. How many people were there in all?

12 people
label

2. Hector had 12 pennies. He lost 4 of them. How many does he have now?

8 pennies
label

3. Oni ate 3 cookies that she baked. She now has 9 left. How many did she bake?

12 cookies
label

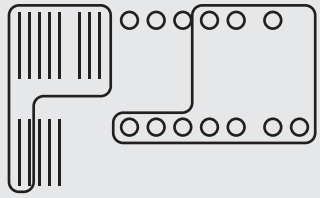
4. Aisha found 9 shells at the beach. She now has 17 shells. How many did she have before she went to the beach?

8 shells
label

5. **Stretch Your Thinking** Tisa collects animal stickers. She had 96 stickers. She found 4 more stickers. Then her cousin gave her 16 more. How many stickers does she have now? Explain how you found your answer.

116 stickers; Possible explanation: I counted on 4 from 96 to get 100. Then I added 16 to 100 to get 116.

Name _____

86 + 57 130 + 13 143	or	86 + 57 143	 130 + 13 = 143

Add. Use any method.

1. 97 + 45 = 142 | 54 + 39 = 93 | 35 + 47 = 82

2. 56 + 77 = 133 | 76 + 88 = 164 | 86 + 65 = 151

3. 47 + 73 = 120 | 87 + 49 = 136 | 57 + 48 = 105

2-8 Name

Remembering

Draw the number using hundred boxes, ten sticks, and circles. Then write the expanded form.

1. 

185

100 + 80 + 5

2. 

132

100 + 30 + 2

Make a drawing for each number. Write <, >, or =.

3. 143 < 151

4. 87 = 87

Add ones or tens.

5. 9 + 9 = 18 8 + 4 = 12 8 + 6 = 14

90 + 90 = 180 80 + 40 = 120 80 + 60 = 140

6. Solve the word problem. Ida had a box of 39 crayons. Juan gave her another 28 crayons. How many crayons does she have now?

Show your work.

67 crayons

label

7. Stretch Your Thinking Add. Explain your method.

Children's explanations will vary.

$$\begin{array}{r} 74 \\ +\ 67 \\ \hline 141 \end{array}$$

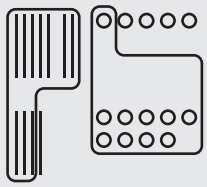
Homework

Name _____

$$\begin{array}{r} 75 \\ +\ 49 \\ \hline 110 \\ +\ 14 \\ \hline 124 \end{array}$$

or

$$\begin{array}{r} 75 \\ +\ 49 \\ \hline 124 \end{array}$$



$110 + 14 = 124$

Add. Use any method.

1. $\begin{array}{r} 83 \\ +\ 79 \\ \hline 162 \end{array}$ $\begin{array}{r} 65 \\ +\ 47 \\ \hline 112 \end{array}$ $\begin{array}{r} 78 \\ +\ 34 \\ \hline 112 \end{array}$

2. $\begin{array}{r} 74 \\ +\ 99 \\ \hline 173 \end{array}$ $\begin{array}{r} 48 \\ +\ 87 \\ \hline 135 \end{array}$ $\begin{array}{r} 92 \\ +\ 59 \\ \hline 151 \end{array}$

3. $\begin{array}{r} 63 \\ +\ 77 \\ \hline 140 \end{array}$ $\begin{array}{r} 75 \\ +\ 48 \\ \hline 123 \end{array}$ $\begin{array}{r} 86 \\ +\ 32 \\ \hline 118 \end{array}$

2-9 Name

Remembering

Add.

1. $7 + 9 =$ 16 $\quad 5 + 8 =$ 13 $\quad 4 + 6 =$ 10

   $70 + 90 =$ 160 $\quad 50 + 80 =$ 130 $\quad 40 + 60 =$ 100

2. $100 + 36 =$ 136 $\quad 41 + 100 =$ 141 $\quad 100 + 67 =$ 167

   $10 + 36 =$ 46 $\quad 41 + 10 =$ 51 $\quad 10 + 67 =$ 77

   $1 + 36 =$ 37 $\quad 41 + 1 =$ 42 $\quad 1 + 67 =$ 68

Solve. Make a proof drawing. **Show your work.**

3. Mrs. Martin makes 36 sandwiches for a school fair. Her friend makes 24 sandwiches. How many sandwiches do they make in all?

   Children's drawings may vary.

   60 sandwiches

   label

4. Luis has a collection of 58 rocks. He finds 44 more. How many rocks does he have now?

   102 rocks

   label

Add. Use any method.

5.
$$\begin{array}{r} 74 \\ +\ 96 \\ \hline 170 \end{array} \qquad \begin{array}{r} 58 \\ +\ 69 \\ \hline 127 \end{array} \qquad \begin{array}{r} 45 \\ +\ 87 \\ \hline 132 \end{array}$$

6. **Stretch Your Thinking** Find the unknown addend.

$$\begin{array}{r} 57 \\ +\ \boxed{68} \\ \hline 125 \end{array}$$

2-10

Homework

Name _____

Be the helper. Is the answer OK? Write *Yes* or *No.*
If *No,* fix the mistakes and write the correct answer.

43 + 28 71	OK? Yes		45 + 23 78	OK? No	→ 45 + 23 ~~78~~ **68**

1. 27 + 45 = 72 — OK? Yes

2. 68 + 26 = ~~84~~ 94 — OK? No

3. 32 + 29 = ~~51~~ 61 — OK? No

4. 16 + 67 = ~~91~~ 83 — OK? No

5. 59 + 25 = ~~74~~ 84 — OK? No

6. 51 + 44 = 95 — OK? Yes

7. 85 + 56 = 141 — OK? Yes

8. 58 + 99 = ~~147~~ 157 — OK? No

9. 73 + 82 = ~~165~~ 155 — OK? No

2-10 Name _____

Remembering

Solve. Make a proof drawing. **Show your work.**

1. Sara has 58 flower seeds to plant in her garden. Her father has 49 seeds. How many seeds do they have altogether?

107 seeds
label

2. Oliver has a collection of 79 coins. A friend gives him 25 more coins. How many coins does he have in all?

104 coins
label

Add. Use any method.

3.
88	75	64
+ 56	+ 49	+ 28
144	124	92

4.
99	77	69
+ 88	+ 44	+ 83
187	121	152

5. **Stretch Your Thinking** Write a 2-digit addition exercise and find the sum. Answers will vary.

Example:
47
+ 56
103

2-11

Homework

Name _____

Here are some more fruits and vegetables from the Farm Stand. Answer the questions below. Then draw the money amount. The first one is done for you.

Apples 79¢	Eggplant 96¢	Pears 58¢	Green Onions 67¢	Oranges 85¢
				

How much would you spend if you wanted to buy

1. apples and oranges?

164 ¢

$ 1.64

1 dollar

10 10 10 10 10 10

1 1 1 1

---

2. apples and green onions?

146 ¢

$ 1.46

1 dollar

10 10 10 10

1 1 1 1 1 1

---

3. pears and green onions?

125 ¢

$ 1.25

1 dollar

10 10

1 1 1 1 1

---

4. eggplant and oranges?

181 ¢

$ 1.81

1 dollar

10 10 10 10 10

10 10 10

1

2-11 Name

Remembering

Add. Use any method.

1. $\begin{array}{r} 76 \\ +\ 38 \\ \hline 114 \end{array}$ $\begin{array}{r} 52 \\ +\ 39 \\ \hline 91 \end{array}$ $\begin{array}{r} 67 \\ +\ 88 \\ \hline 155 \end{array}$

2. $\begin{array}{r} 28 \\ +\ 96 \\ \hline 124 \end{array}$ $\begin{array}{r} 74 \\ +\ 39 \\ \hline 113 \end{array}$ $\begin{array}{r} 51 \\ +\ 89 \\ \hline 140 \end{array}$

Be the helper. Is the answer OK? Write *yes* or *no*.
If *no*, fix the mistakes and write the correct answer.

3. $\begin{array}{r} 28 \\ +\ 66 \\ \hline 94 \end{array}$ OK? Yes

4. $\begin{array}{r} 61 \\ +\ 38 \\ \hline \cancel{109} \\ 99 \end{array}$ OK? No

5. $\begin{array}{r} 57 \\ +\ 89 \\ \hline \cancel{147} \\ 146 \end{array}$ OK? No

6. $\begin{array}{r} 33 \\ +\ 67 \\ \hline \cancel{90} \\ 100 \end{array}$ OK? No

7. $\begin{array}{r} 82 \\ +\ 79 \\ \hline 161 \end{array}$ OK? Yes

8. $\begin{array}{r} 54 \\ +\ 95 \\ \hline \cancel{159} \\ 149 \end{array}$ OK? No

9. **Stretch Your Thinking** Doris buys some apples for 69¢ and some pears for 78¢. She gives the cashier $1.50. Does she give the cashier enough money? Explain.

Yes; She spends $1.47 and $1.50 is more than $1.47.

2-12

Homework

Name _____

Under the coins, write the total amount of money so far.
Then write the total using $. The first one is done for you.

1. 5¢ 5¢ 5¢ 5¢

5¢ 10¢ 15¢ 20¢

$ 0 . 2 0
total

2. 5¢ 5¢ 1¢ 1¢ 1¢

5¢ 10¢ 11¢ 12¢ 13¢

$ 0 . 1 3
total

3. 10¢ 10¢ 1¢ 1¢ 1¢ 1¢

10¢ 20¢ 21¢ 22¢ 23¢ 24¢

$ 0 . 2 4
total

4. 10¢ 10¢ 10¢ 5¢ 5¢ 5¢

10¢ 20¢ 30¢ 35¢ 40¢ 45¢

$ 0 . 4 5
total

5. Troy has 1 dime, 5 nickels, and 4 pennies.
Draw (10)s, (5)s, and (1)s.

(10) (5) (5) (5) (5) (5) (1) (1) (1) (1)

Write the total amount of money.

$ 0 . 3 9
total

Name _____

Remembering

Add. Use any method.

1. $\begin{array}{r} 68 \\ +\ 57 \\ \hline 125 \end{array}$ $\begin{array}{r} 85 \\ +\ 29 \\ \hline 114 \end{array}$ $\begin{array}{r} 94 \\ +\ 76 \\ \hline 170 \end{array}$

Be the helper. Is the answer OK? Write *yes* or *no*.
If *no*, fix the mistakes and write the correct answer.

2. $\begin{array}{r} 52 \\ +\ 74 \\ \hline 126 \end{array}$ OK? Yes

3. $\begin{array}{r} 84 \\ +\ 46 \\ \hline \cancel{140}\ 130 \end{array}$ OK? No

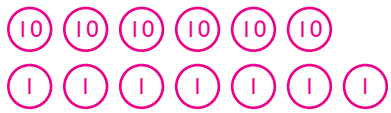
4. $\begin{array}{r} 63 \\ +\ 69 \\ \hline \cancel{122}\ 132 \end{array}$ OK? No

Answer the questions below. Then draw the money amount.

5. Dino bought a bunch of carrots for 89¢ and some celery for 78¢. How much did he spend?

   $1.67 (or 167¢)

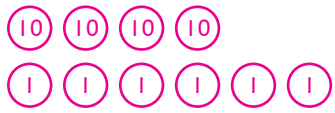
   1 dollar



6. Tina bought a bunch of carrots for 88¢ and some celery for 58¢. How much did she spend?

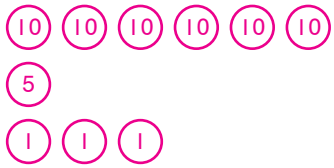
   $ 1.46 (or 146¢)

   1 dollar



7. **Stretch Your Thinking** Draw 10 coins to show an amount between 50¢ and $1.00. Use only (10), (5), and (1). Make sure it is the fewest number of coins for that amount.

   Possible answer is given.



2-13

Homework

Name _____

Add.

1. $\begin{array}{r} 42 \\ +\ 54 \\ \hline 96 \end{array}$

2. $\begin{array}{r} 19 \\ +\ 64 \\ \hline 83 \end{array}$

3. $\begin{array}{r} 58 \\ +\ 32 \\ \hline 90 \end{array}$

4. $\begin{array}{r} 70 \\ +\ 23 \\ \hline 93 \end{array}$

5. $\begin{array}{r} 29 \\ +\ 29 \\ \hline 58 \end{array}$

6. $\begin{array}{r} 47 \\ +\ 34 \\ \hline 81 \end{array}$

7. $\begin{array}{r} 38 \\ +\ 62 \\ \hline 100 \end{array}$

8. $\begin{array}{r} 51 \\ +\ 20 \\ \hline 71 \end{array}$

9. $\begin{array}{r} 82 \\ +\ 17 \\ \hline 99 \end{array}$

10. Explain how you found the sum for Exercise 7.

Check children's work. Children's explanations should include making a new ten and a new hundred.

2-13 Name

Remembering

Solve. Make a proof drawing. **Show your work.**

1. Sal goes to a plant nursery and sees 57 apple trees and 79 pear trees. How many trees does he see in all?

136 trees

label

2. Carol has a bag of red and yellow marbles. 48 of them are red and 63 of them are yellow. How many marbles does she have in total?

111 marbles

label

Add. Use any method.

3.
$$\begin{array}{r} 47 \\ +\ 77 \\ \hline 124 \end{array}$$

$$\begin{array}{r} 91 \\ +\ 29 \\ \hline 120 \end{array}$$

$$\begin{array}{r} 38 \\ +\ 67 \\ \hline 105 \end{array}$$

Be the helper. Is the answer OK? Write *yes* or *no*. If *no*, fix the mistakes and write the correct answer.

4.
$$\begin{array}{r} 57 \\ +\ 49 \\ \hline 106 \end{array}$$
OK? Yes

5.
$$\begin{array}{r} 72 \\ +\ 39 \\ \hline \cancel{101} \\ 111 \end{array}$$
OK? No

6.
$$\begin{array}{r} 63 \\ +\ 78 \\ \hline \cancel{142} \\ 141 \end{array}$$
OK? No

7. **Stretch Your Thinking** Write an addition word problem using two 2-digit numbers. Solve the problem. Show your work.

Problems will vary.

2-14

Homework

Name _____

Add.

1. 19 + 26 + 31 = 76

2. 25 + 36 + 27 = 88

3. 28 + 35 + 23 + 38 = 124

4. 17 + 44 + 56 + 30 = 147

Name _____

Remembering

Add. Use any method.

1. $\begin{array}{r} 90 \\ +\ 80 \\ \hline 170 \end{array}$ $\begin{array}{r} 69 \\ +\ 59 \\ \hline 128 \end{array}$ $\begin{array}{r} 65 \\ +\ 38 \\ \hline 103 \end{array}$

2. $\begin{array}{r} 35 \\ +\ 89 \\ \hline 124 \end{array}$ $\begin{array}{r} 53 \\ +\ 66 \\ \hline 119 \end{array}$ $\begin{array}{r} 77 \\ +\ 91 \\ \hline 168 \end{array}$

Be the helper. Is the answer OK? Write *yes* or *no*.
If *no*, fix the mistakes and write the correct answer.

3. $\begin{array}{r} 58 \\ +\ 86 \\ \hline 144 \end{array}$ OK? Yes

4. $\begin{array}{r} 71 \\ +\ 68 \\ \hline \cancel{149} \\ 139 \end{array}$ OK? No

5. $\begin{array}{r} 87 \\ +\ 99 \\ \hline \cancel{185} \\ 186 \end{array}$ OK? No

6. Add. Explain how you found the sum.

$\begin{array}{r} 64 \\ +\ 36 \\ \hline 100 \end{array}$

Check children's work. Children's explanations should include making a new ten and a new hundred.

7. **Stretch Your Thinking** Write an addition exercise using three 2-digit numbers. Find the sum.

Check children's work.

2-15

Homework

Name _____

Solve each word problem. **Show your work.**

1. Violet returns 4 bottles to the Recycle Center. She gets one nickel for each bottle. How much money does she get?

20¢ or $0.20

2. Jesse gets 40¢ for cans he brings to the Recycle Center. He gets 5¢ for each can. How many cans does he bring?

8 cans

label

3. Rosa brings 25 cans to the Recycling Center. Jorge brings 39 cans. How many cans do they bring altogether?

64 cans

label

4. Write a word problem of your own that is about recycling and has the answer *85 bottles*.

Children's word problems will vary.

Possible answer: Alice collected 17 bottles. Luis collected 68 bottles. How many bottles did they collect in all?

2-15 Name _____

Remembering

Under the coins, write the total amount of money so far.
Then write the total using $.

1. 

5¢ 10¢ 15¢ 20¢ 21¢ $ 0 . 2 1

2. 

10¢ 20¢ 25¢ 26¢ 27¢ $ 0 . 2 7

Add.

3. 45 + 19 = 64

4. 76 + 20 = 96

5. 67 + 23 = 90

Add.

6. 22 + 17 + 35 = 74

7. 15 + 39 + 31 + 49 = 134

8. **Stretch Your Thinking** Darif wants to buy 3 tickets for a ride at the fair. Each ticket costs 39¢. Darif has $1.28.

How many tickets can he buy? 3 tickets

How much money will he spend? $1.17

3-1

Homework

Name _____

Use your centimeter ruler. Measure each horizontal line segment below by marking and counting 1-cm lengths.

1.  6 cm

2.  9 cm

3.  7 cm

4. Draw a line segment 8 cm long. Mark and count 1-cm lengths to check the length.

Measure each vertical line segment below by marking and counting 1-cm lengths.

5.  3 cm

6.  5 cm

7.  2 cm

3-1 Name

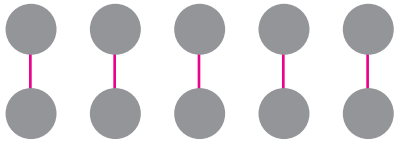
Remembering

Make a ten to find the total.

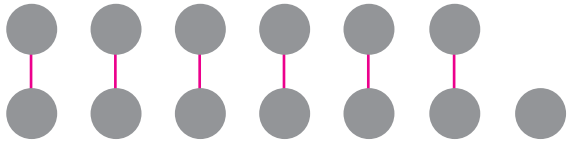
1. $4 + 7 =$ 11 $\quad 4 + 8 =$ 12 $\quad 9 + 5 =$ 14

2. $8 + 5 =$ 13 $\quad 7 + 9 =$ 16 $\quad 6 + 7 =$ 13

Draw lines to make pairs.
Write odd or even.

3. 

even

4. 

odd

Add.

5. $30 + 60 =$ 90 $\quad 50 + 20 =$ 70 $\quad 10 + 90 =$ 100

$3 + 6 =$ 9 $\quad 5 + 2 =$ 7 $\quad 1 + 9 =$ 10

6. **Stretch Your Thinking** Ryan measures the length of his pen. He places the end of the pen at the 1-inch mark of a ruler. Tell why the measurement will be wrong.

Ryan should put the end of the pen at the 0 mark of the ruler. If he starts at the 1, he's adding 1 inch to the measurement.

3-2

Homework

Name _____

Look for shapes in your home and neighborhood.

1. List or draw objects that show squares.

Answers or drawings will vary.
Possible answers: checkerboards, waffles, windows

2. List or draw objects that show rectangles.

Answers or drawings will vary.
Possible answers: tabletops, paper, beds, street signs, flags, doors

3. List or draw objects that show triangles.

Answers or drawings will vary.
Possible answers: crackers, street signs, parts of a roof

4. List or draw objects that show pentagons.

Answers or drawings will vary.
Possible answers: the government building, shapes on soccer balls

5. List or draw objects that show hexagons.

Answers or drawings will vary.
Possible answers: floor tiles, beehives

3-2 Name

Remembering

Find the unknown addend (unknown partner).

1. $4 + \boxed{8} = 12$ $\quad 8 + \boxed{7} = 15$ $\quad 14 - \boxed{5} = 9$

2. $6 + \boxed{6} = 12$ $\quad 5 + \boxed{6} = 11$ $\quad 13 - \boxed{6} = 7$

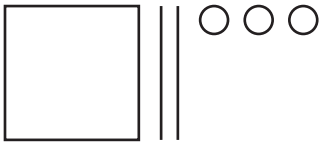
Find the total or partner.

3.

7	6	9	16	12	17
+ 4	+ 8	+ 4	− 8	− 3	− 9
11	14	13	8	9	8

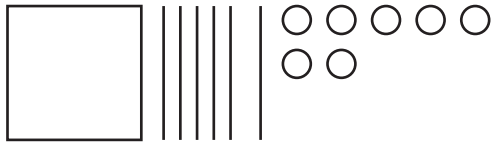
What numbers are shown?

H = Hundreds, T = Tens, O = Ones

4. 

1 H 2 T 3 O

123 = 100 + 20 + 3

5. 

1 H 6 T 7 O

167 = 100 + 60 + 7

6. **Stretch Your Thinking** Ian has 2 long straws and 2 short straws. How can he use all of the straws to make a triangle?

Possible answer: Ian can put the two short straws together for one side and use each long straw for the other two sides.

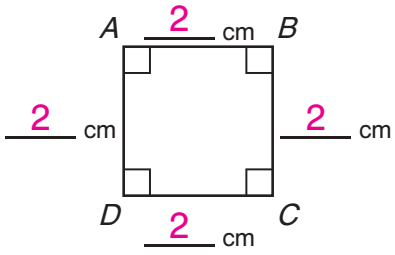
3-3

Homework

Name _____

Use a centimeter ruler. Find the distance around each shape.

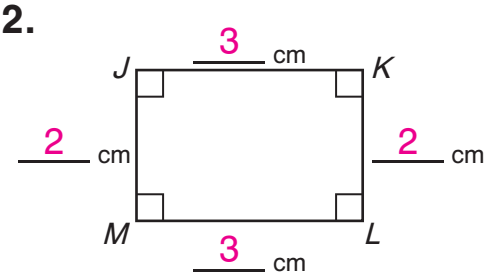
1.



2 cm + 2 cm + 2 cm + 2 cm

= 8 cm

2.



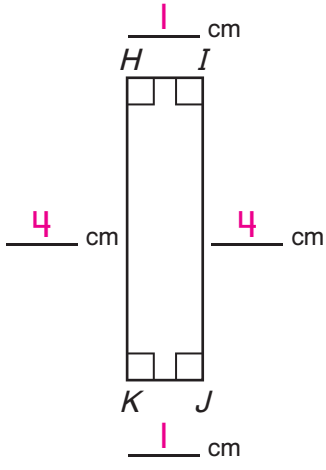
3 cm + 2 cm + 3 cm + 2 cm

= 10 cm

Estimate and then measure each side.
Then find the distance around the rectangle.

3. a. Complete the table. Use a centimeter ruler to measure.

Side	Estimate	Measure
HI	Estimates	1 cm
IJ	may	4 cm
JK	vary.	1 cm
KH		4 cm



b. Find the distance around the rectangle.

1 cm + 4 cm + 1 cm + 4 cm = 10 cm

3-3 Name

Remembering

Write the unknown addend (unknown partner).

1. $5 + \boxed{8} = 13$ $\quad 4 + \boxed{8} = 12$ $\quad 13 - \boxed{6} = 7$

2. $8 + \boxed{6} = 14$ $\quad 8 + \boxed{9} = 17$ $\quad 16 - \boxed{9} = 7$

Solve. Make a proof drawing. **Show your work.**

3. Coach Walker gets a shipment of 153 uniforms. He puts them in boxes of 10. How many boxes can he fill? How many uniforms will be left over?

$\boxed{15}$ boxes $\quad \boxed{3}$ uniforms left over

4. Draw a line segment 7 cm long. Mark and count 1-cm lengths to check the length.

5. Stretch Your Thinking Alex has a small notebook that is shaped like a rectangle. She knows one side is 6 cm and another side is 4 cm. Explain how to find the distance around the notebook without using a ruler.

Since the notebook is a rectangle, the other two sides will also measure 6 cm and 4 cm. Alex can add the lengths of the four sides. 6 cm + 4 cm + 6 cm + 4 cm = 20 cm; 20 cm

3-4

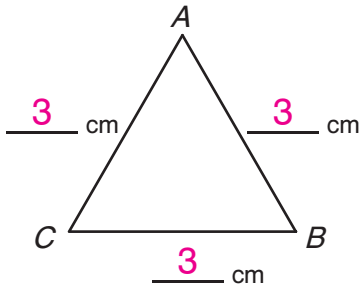
Homework

Name _____

Estimate and measure each side. Then find the distance around the triangle.

1. a. Complete the table.

Side	Estimate	Measure
AB	Estimates	3 cm
BC	may	3 cm
CA	vary.	3 cm

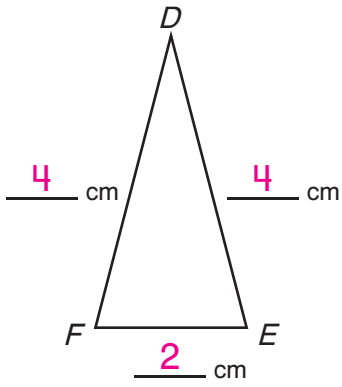


b. Find the distance around the triangle.

3 cm + 3 cm + 3 cm = 9 cm

2. a. Complete the table.

Side	Estimate	Measure
DE	Estimates	4 cm
EF	may	2 cm
FD	vary.	4 cm

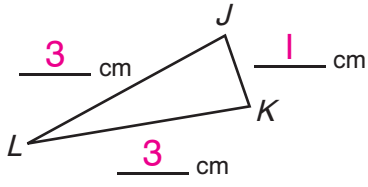


b. Find the distance around the triangle.

4 cm + 2 cm + 4 cm = 10 cm

3. a. Complete the table.

Side	Estimate	Measure
JK	Estimates	1 cm
KL	may	3 cm
LJ	vary.	3 cm



b. Find the distance around the triangle.

1 cm + 3 cm + 3 cm = 7 cm

3-4 Name

Remembering

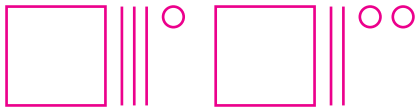
Find the total or partner.

1.

8	4	6	14	13	16
+ 5	+ 7	+ 6	− 5	− 7	− 9
13	11	12	9	6	7

Make a drawing for each number. Write <, >, or =.

2. 131 > 122

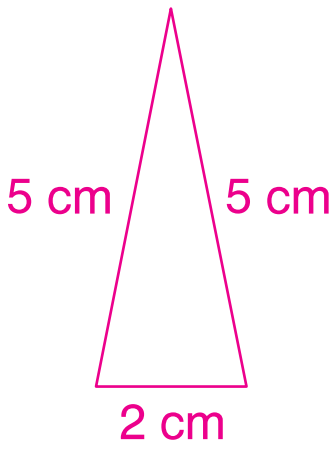


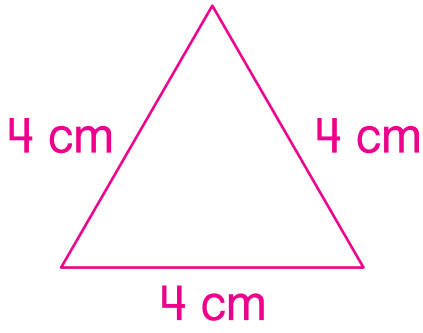
3. 27 < 35

4. List or draw objects that show rectangles.
Answers or drawings will vary. Possible answers: book, sign, card, picture frame

5. **Stretch Your Thinking** Draw and label two different triangles. Each shape should have a distance around it of 12 cm.

Possible drawings shown.





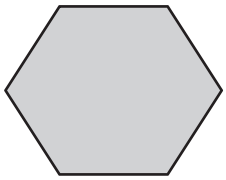
3-5

Homework

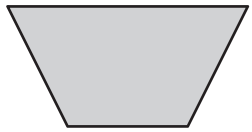
Name _____

Name the shapes using the words in the box.

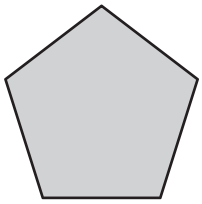
cube	quadrilateral	pentagon	hexagon

1. 

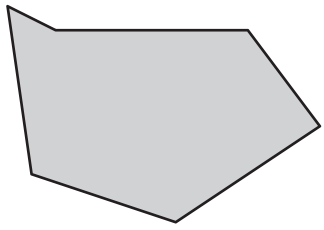
hexagon

2. 

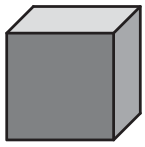
quadrilateral

3. 

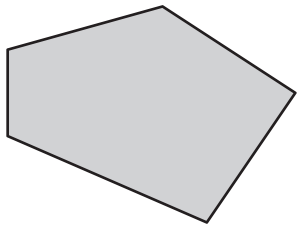
pentagon

4. 

hexagon

5. 

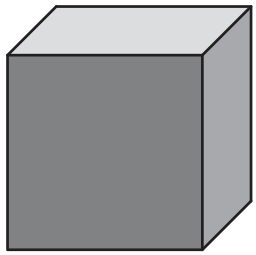
cube

6. 

pentagon

7. 

quadrilateral

8. 

cube

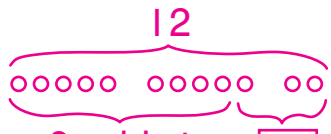
3-5 Name

Remembering

Make a drawing. Write an equation. Solve the problem. **Show your work.**

1. Tanya bakes 12 muffins. She sells 9 of them at the bake sale. How many muffins does she have now?

3 muffins
label



12 − 9 = 3

Add.

2. 53 + 28 = 81

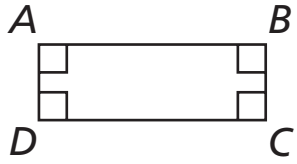
3. 87 + 45 = 132

4. 36 + 79 = 115

Estimate and then measure each side.
Then find the distance around the rectangle.

5. a. Complete the table. Use a centimeter ruler to measure.

Side	Estimate	Measure
AB	Estimates	3 cm
BC	may	1 cm
CD	vary.	3 cm
DA		1 cm



b. Find the distance around the rectangle.

3 cm + 1 cm + 3 cm + 1 cm = 8 cm

6. Stretch Your Thinking Write all the names you can think of that could describe a four-sided shape.

Possible answers: square, rectangle, quadrilateral

3-6

Homework

Name _____

Complete the table. Estimate the height of six people, pets, or objects. Find the actual heights. Choose the nearest centimeter endpoint. Then, measure the difference between your estimate and the actual measurement. Answers will vary.

Person, Pet, or Object	Estimated Height (cm)	Actual Height (cm)	Difference Between Estimated and Actual Height (cm)

Name _____

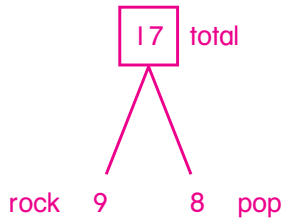
Remembering

Possible equation and drawing are shown.

Make a drawing. Write an equation. Solve the problem. **Show your work.**

1. Chase has some music CDs. 9 of them are rock music. The other 8 are pop music. How many CDs does Chase have?

17 CDs
label



$9 + 8 = 17$

Add. Use any method.

2. $\begin{array}{r} 68 \\ +\ 35 \\ \hline 103 \end{array}$

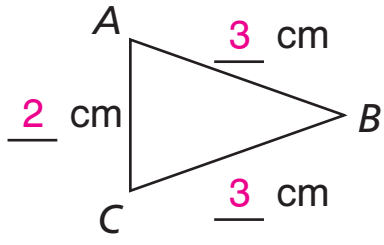
3. $\begin{array}{r} 52 \\ +\ 79 \\ \hline 131 \end{array}$

4. $\begin{array}{r} 84 \\ +\ 86 \\ \hline 170 \end{array}$

Estimate and then measure each side.
Then find the distance around the triangle.

5. a. Complete the table.

Side	Estimate	Measure
AB	Estimates	3 cm
BC	may	3 cm
CA	vary.	2 cm



b. Find the distance around the triangle.

3 cm + 3 cm + 2 cm = 8 cm

6. Stretch Your Thinking Find two items in the classroom whose lengths you estimate to have a difference of 3 cm. Then measure each item. Answers will vary. Check measurements.

Item 1 Estimate: _____ cm Measure: _____ cm

Item 2 Estimate: _____ cm Measure: _____ cm

Difference between Item 1 and Item 2: _____ cm

3-7

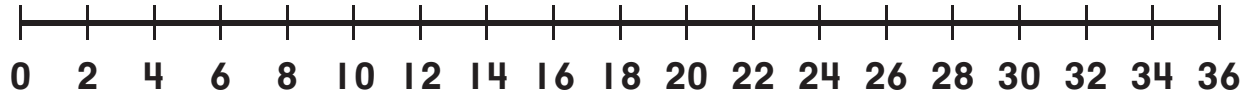
Homework

Name _____

1. Find five objects at home to measure in inches.
Choose objects that are less than 1 yard (36 in.) long.
Estimate and measure the length of each object.
Measure to the nearest inch. Complete the table. Answers will vary.

Object	Estimated Length (in.)	Measured Length (in.)

2. Plot the data from the last column in Exercise 1 on the line plot. Answers will vary.



Length of Objects (inches)

3. Find five objects at home to measure in feet or yards.
Complete the table. Remember to include units with your measurements. Answers will vary.

Object	Estimated Length	Measured Length

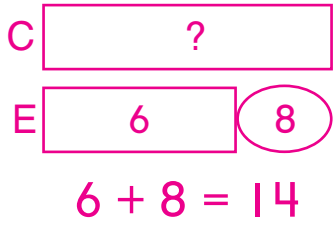
3-7 Name

Remembering

Make a matching drawing or draw comparison bars. Solve the problem. Sample drawing is shown. **Show your work.**

1. Erin has 6 grapes. Cody has 8 more grapes than Erin. How many grapes does Cody have?

14 grapes
label



6 + 8 = 14

Under the coins, write the total amount of money so far. Then write the total using $.

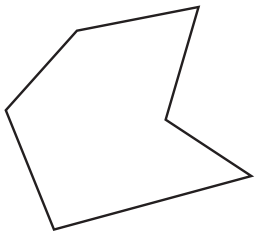
2. 10¢ 10¢ 5¢ 5¢ 1¢ 1¢

10¢ 20¢ 25¢ 30¢ 31¢ 32¢ $ 0.32
total

Label the shapes using the words in the box.

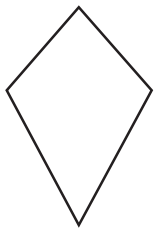
cube	quadrilateral	pentagon	hexagon

3.



hexagon

4.



quadrilateral

5. **Stretch Your Thinking** Explain why we use rulers instead of hands or fingers to measure things.

Possible answer: If we used our hand to measure, not everyone would get the same answer because hands are different sizes. With rulers, everyone can get the same answer.

3-8

Homework

Name _____

1. Measure each line segment.

3 in.

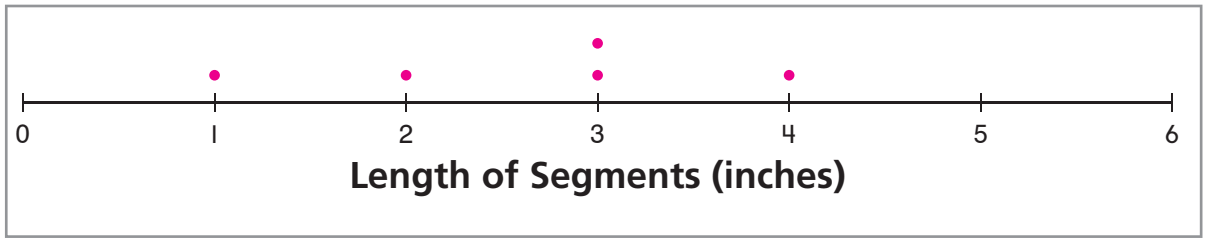
1 in.

4 in.

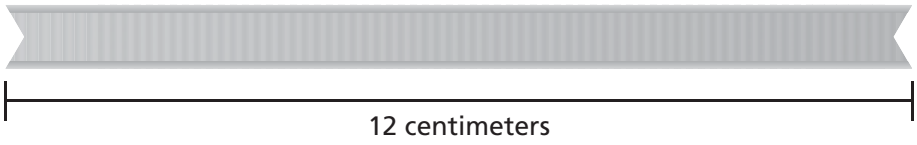
3 in.

2 in.

2. Show the data from Exercise 1 on this line plot.



3. Ring *more* or *less*.



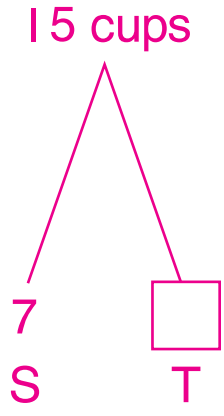
The number of inches will be *more* *less* than the number of centimeters.

3-8 Name

Remembering

Solve the problem. **Show your work.**

1. Mya has a stack of 15 cups. There are 7 short cups and some tall cups in the stack. She uses 3 tall cups. How many tall cups are in the stack now?



$7 + \boxed{8} = 15$

$8 - 3 = \boxed{5}$

$\boxed{5}$ tall cups

label

Add.

2. $\begin{array}{r} 74 \\ +\ 15 \\ \hline 89 \end{array}$

3. $\begin{array}{r} 47 \\ +\ 26 \\ \hline 73 \end{array}$

4. $\begin{array}{r} 58 \\ +\ 34 \\ \hline 92 \end{array}$

5. Find two objects to measure in inches. Estimate and measure the length of each object. Measure to the nearest inch. Complete the table.

Answers will vary.

Object	Estimated length (in.)	Measured length (in.)

6. **Stretch Your Thinking** Juan and Brooke each measured the length of the same paper clip correctly. Juan says the paper clip is about 5. Brooke says it is about 2. Explain how they can both be correct.

Possible answer: They used different units to measure. Juan was probably using cm and Brooke was probably using inches.

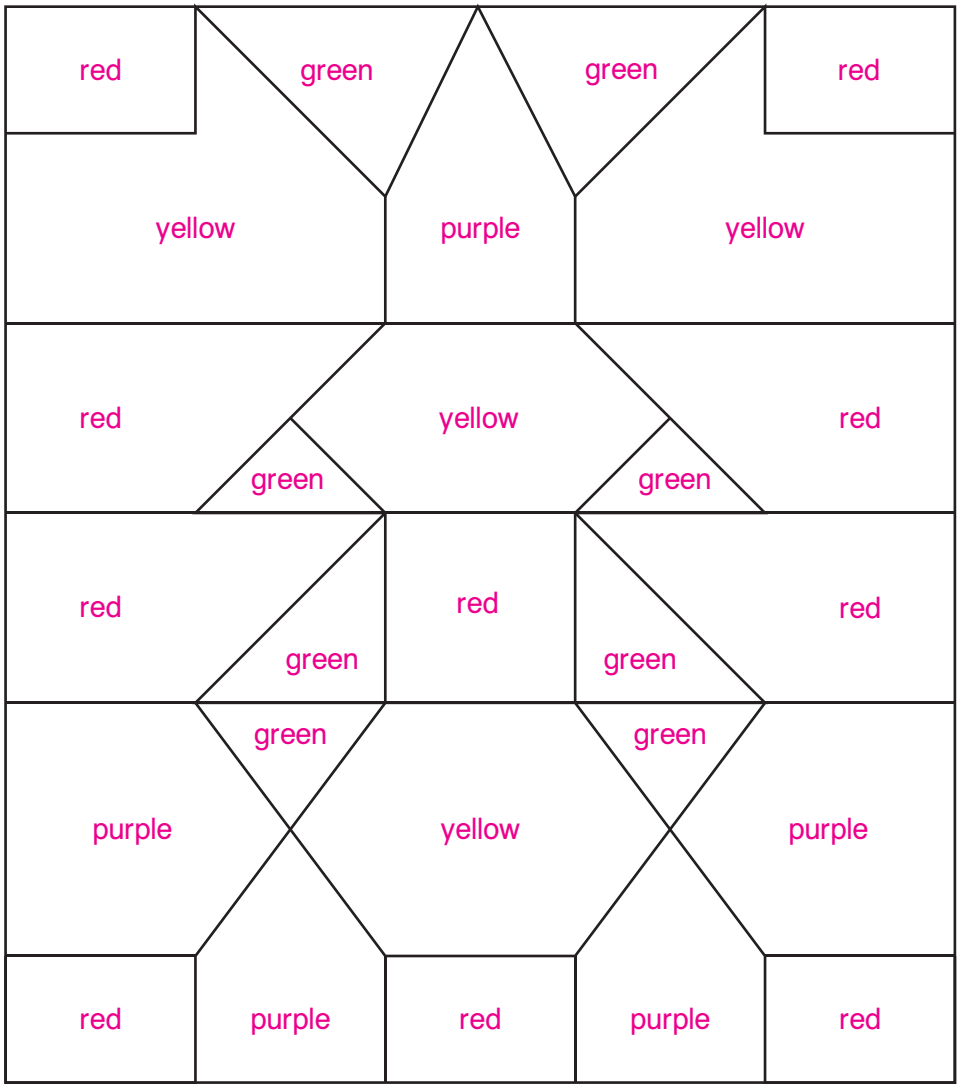
3-9

Homework

Name _____

Color the quilt pattern. Use the table below.

Shape	Color
triangle	green
quadrilateral	red
pentagon	purple
hexagon	yellow



3-9 Name

Remembering

Make a drawing. Write an equation.
Solve the problem. Drawings and equations will vary. **Show your work.**

1. Evan has 4 markers. That is 7 fewer markers than Jenna has. How many markers does Jenna have?

11 markers
label

J ?
E 4 7

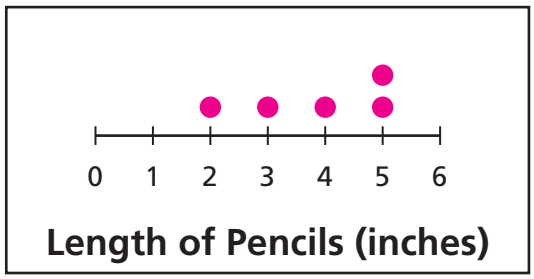
4 + 7 = 11

Add.

2. 14 + 22 + 57 = 93

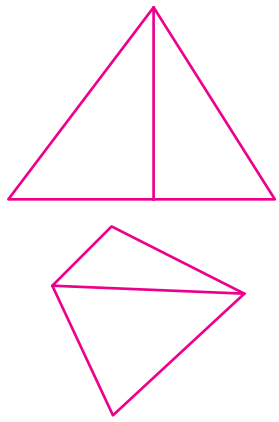
3. 36 + 18 + 24 = 78

4. Show the data from the table on the line plot.



Length of Pencils (inches)
5 inches
2 inches
4 inches
3 inches
5 inches

5. **Stretch Your Thinking** Show an example of how you could put two triangles together to make a larger triangle. Show an example of how you can put two triangles together to make a quadrilateral.
Possible answers are shown.



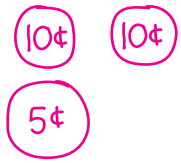
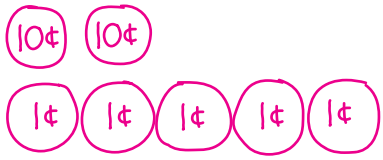
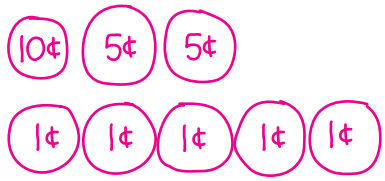
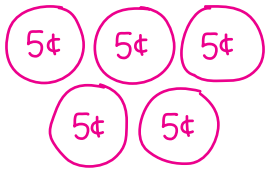
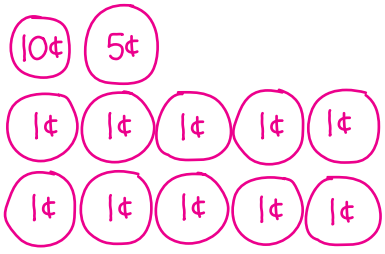
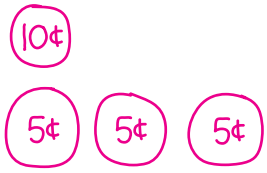
4-1

Homework

Name _____

Draw coins to show 6 different ways to make 25¢ with pennies, nickels, and dimes.

Answers will vary.
Possible answers are given.

1. 25¢ 	2. 25¢ 	3. 25¢ 
4. 25¢ 	5. 25¢ 	6. 25¢ 

Write how to count the money.

7. 

25¢ | 50¢ | 75¢ | 100¢ or $1.00 | 125¢ or $1.25 | 150¢ or $1.50

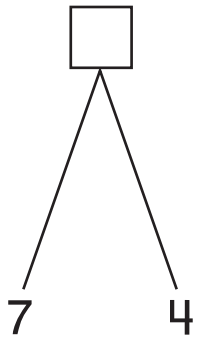
8. 

25¢ | 50¢ | 75¢ | 85¢ | 95¢ | 96¢

4-1 Name

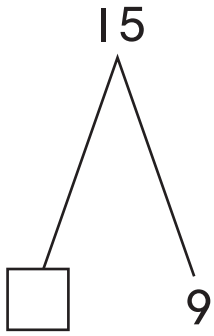
Remembering

1. Write two equations for each Math Mountain. Equations may vary.



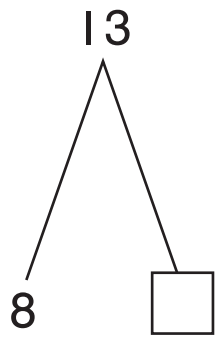
$7 + 4 = \square$

$4 + 7 = \square$



$15 - 9 = \square$

$9 + \square = 15$



$8 + \square = 13$

$13 - 8 = \square$

Add.

2. $40 + 60 = 100$ $50 + 30 = 80$ $10 + 40 = 50$

$4 + 6 = 10$ $5 + 3 = 8$ $1 + 4 = 5$

3. Draw a line segment 6 cm long.
Mark and count 1-cm lengths to check the length.

4. **Stretch Your Thinking** Elliot counts a group of coins starting with the quarters. His sister counts the same coins. She starts counting the pennies. Will they get the same amount? Explain.

Yes; the amount does not change, but it is usually easier to begin counting coins with the greatest value.

4-2

Homework

Name _____

Under each picture, write the total amount of money so far.
Then write the total using $.

1.

25¢ 25¢ 10¢ 1¢

25¢ 50¢ 60¢ 61¢

$ 0.61 total

2.

100¢ 5¢

100¢ 105¢

$ 1.05 total

---

3. Hope has 1 dollar, 1 quarter, 5 dimes, 3 nickels, and 2 pennies. Draw [100]s, (25)s, (10)s, (5)s, and (1)s.

[100] (25) (10) (10) (10) (10) (10)

(5) (5) (5) (1) (1)

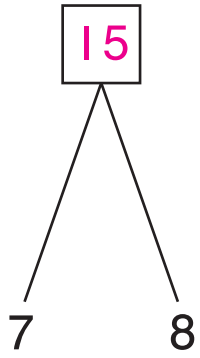
Write the total amount of money.

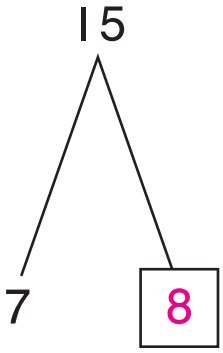
$ 1.92 total

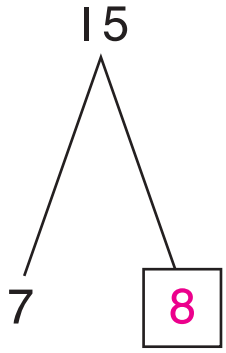
4-2 Name

Remembering

1. Complete the Math Mountains and equations.







$7 + 8 = \boxed{15}$ $7 + \boxed{8} = 15$ $15 - 7 = \boxed{8}$

Solve. Make a proof drawing.

Show your work.

Drawings may vary.

2. Susan wins 78 tickets. She needs 10 tickets for each prize. How many prizes can she get? How many tickets will she have left over?

$\boxed{7}$ prizes $\boxed{8}$ tickets left over

3. Write how to count the money.

25¢ 50¢ 75¢ 85¢ 95¢ 96¢ 97¢ 98¢

4. **Stretch Your Thinking** Maria has $1.35. She has only quarters and nickels. Draw two possible groups of coins Maria could have. Use (25)s to show quarters and (5)s to show nickels.

(25) (25) (25) (25) (25)
(5) (5)

(25) (25) (25) (25)
(5) (5) (5) (5) (5) (5) (5)

Answers will vary. Possible answers given.

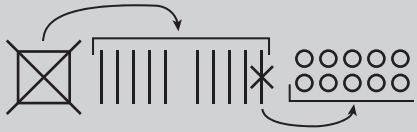
Homework

Name _____

Solve the word problems. Rewrite the 100 or make a drawing. Add to check your answer.

$100 = \overset{90}{\cancel{100}} + \overset{10}{\cancel{0}}$

Tens	Ones
~~1~~ 9	~~0~~ 10



1. There were 100 rubber ducks in the store. The shopkeeper sold 19 of them. How many ducks are in the store now?

Show your work.

81 ducks

label

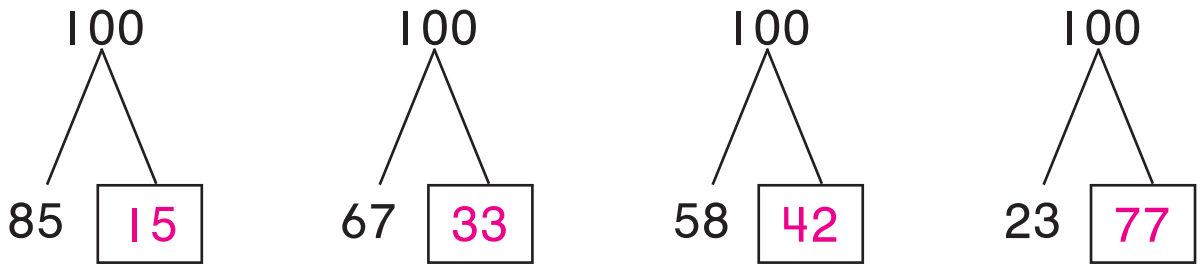
2. Ben bought 100 napkins for the picnic. There are 26 napkins left after the picnic. How many napkins were used?

74 napkins

label

Find the unknown addend. Check by adding.

3.



Name _____

Remembering

Add or subtract.

1.						
	7	8	12	14	7	17
	+ 9	+ 5	− 6	− 6	+ 4	− 9
	16	13	6	8	11	8

What number is shown?

H = Hundreds, T = Tens, O = Ones

2. □ |||| ○○○

1 H 4 T 3 O

143 = 100 + 40 + 3

3. □ |||||| ○○○○○ ○○

1 H 6 T 7 O

167 = 100 + 60 + 7

Under each picture, write the total amount of money so far. Then write the total using $.

4.

100¢

5¢

105¢

1¢

106¢

$ 1 . 0 6
total

5. Stretch Your Thinking Ed knows this answer is wrong right away. How could he know this?

Possible answer: When adding to check, Ed can look at the ones and see that 4 + 8 will not have a 0 in the ones place, so it must be wrong.

100
− 38
64

4-4

Homework

Name _____

Solve each word problem. Make a proof drawing if you need to.

Show your work.

1. Amon has 94 tomato seeds. He uses 27 of them for a science project. How many seeds does he have left?

67 seeds

label

2. Benita makes 56 leaf prints. She gives 29 prints to her cousins. How many prints does Benita have now?

27 prints

label

3. Denise has 71 straws. She uses 33 of them to make a bridge. How many straws does she have left?

38 straws

label

4. Cedric has 70 sports cards. He gives away 24 cards to his friends. How many cards does Cedric have now?

46 cards

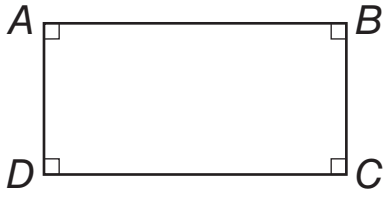
label

4-4 Name

Remembering

Estimate and then measure each side.
Then find the distance around the rectangle.

1.



a. Complete the table. Use a centimeter ruler to measure.

Side	Estimate	Measure
AB	Estimates	4 cm
BC	may	2 cm
CD	vary.	4 cm
DA		2 cm

b. Find the distance around the rectangle.

4 cm + 2 cm + 4 cm + 2 cm = 12 cm

Solve the word problem. Rewrite the 100 or make a drawing. Add to check your answer.

Check children's work.

Show your work.

2. Amy has a box with 100 craft sticks in it. She uses some of them to make a project. There are 64 craft sticks left in the box. How many craft sticks did she use?

36 craft sticks

label

---

3. Stretch Your Thinking Write a subtraction word problem with 29 as the answer.

Possible answer: Brian has 60 crayons. He gives 31 crayons to his friend. How many crayons does he have now?

4-5

Homework

Name _____

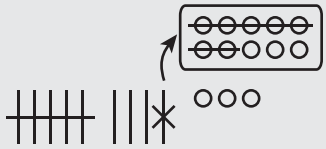
Expanded Method

$$\begin{array}{r} \overset{80}{93} \overset{+13}{=} \cancel{90} + \cancel{3} \\ -\,57 = 50 + 7 \\ \hline 30 + 6 = 36 \end{array}$$

Ungroup First Method

$$\begin{array}{r} -\,5\;7 \\ \hline 3\;6 \end{array}$$

Proof Drawing



Subtract using any method. Children's methods will vary.

1. $\begin{array}{r} 3\;8 \\ -\,2\;1 \\ \hline 1\;7 \end{array}$

2. $\begin{array}{r} 5\;7 \\ -\,3\;9 \\ \hline 1\;8 \end{array}$

3. $\begin{array}{r} 9\;5 \\ -\,6\;4 \\ \hline 3\;1 \end{array}$

4. $\begin{array}{r} 5\;0 \\ -\,1\;3 \\ \hline 3\;7 \end{array}$

5. $\begin{array}{r} 6\;8 \\ -\,1\;5 \\ \hline 5\;3 \end{array}$

6. $\begin{array}{r} 7\;7 \\ -\,2\;9 \\ \hline 4\;8 \end{array}$

7. $\begin{array}{r} 7\;4 \\ -\,4\;8 \\ \hline 2\;6 \end{array}$

8. $\begin{array}{r} 8\;4 \\ -\,4\;9 \\ \hline 3\;5 \end{array}$

Name _____

Remembering

Write the unknown addend (partner).

1. $5 + \boxed{8} = 13$ $\quad 15 - 9 = \boxed{6}$ $\quad 4 + \boxed{7} = 11$

2. $6 + \boxed{4} = 10$ $\quad 13 - 6 = \boxed{7}$ $\quad 12 - 7 = \boxed{5}$

3. Under the coins, write the total amount of money so far. Then write the total using $.

10¢ 20¢ 25¢ 30¢ 31¢ 32¢ $ 0 . 3 2

total total

Solve the word problem. Make a proof drawing if you need to.

Show your work.

Check children's work.

4. Jackson has 62 pennies in his jar. He spends 38 of them. How many pennies does he have now?

24 pennies

label

5. Stretch Your Thinking How do you know if you need to ungroup a ten for ones when subtracting?

Possible answer: I need to ungroup a ten if there are more ones in the number I am subtracting than there are ones in the number I am subtracting from.

4-6

Homework

Name _____

Subtract.

1. $87 - 59 = 28$

2. $63 - 14 = 49$

3. $55 - 18 = 37$

4. $73 - 17 = 56$

5. $83 - 12 = 71$

6. $99 - 35 = 64$

7. $62 - 55 = 7$

8. $71 - 49 = 22$

9. $45 - 26 = 19$

10. $50 - 11 = 39$

11. $92 - 44 = 48$

12. $75 - 52 = 23$

Name _____

Remembering

Make a drawing. Write an equation. Solve the problem. Drawings and equations may vary.

Show your work.

1. Lily has 14 markers. Her sister took some. Now Lily has 8 markers. How many did Lily's sister take?

$8 + \boxed{6} = 14$

6 markers

label

Add.

2.

57	73	89
+ 35	+ 48	+ 61
92	121	150

Subtract using any method.

3.

64	95	70
− 27	− 37	− 41
37	58	29

4. Stretch Your Thinking Write and solve a subtraction exercise where you do not ungroup. Write and solve a subtraction exercise where you must ungroup.
Possible answers shown.

	Ungroup
84 −32 52	95 −37 58

4-7

Homework

Name _____

Solve each word problem. Draw a proof drawing if you need to.

Show your work.

1. There are 200 water bottles on a table. The runners in a race take 73 of them. How many water bottles are left on the table?

127 water bottles

label

2. There are 200 weeds in Kelly's garden. Her little sister pulls out 44 of them. How many weeds are still in the garden?

156 weeds

label

Subtract.

3. 200 − 66 = 134

4. 200 − 82 = 118

5. 200 − 54 = 146

6. 200 − 95 = 105

7. 200 − 38 = 162

8. 200 − 47 = 153

4-7 Name

Remembering

Make a drawing. Write an equation. Solve the problem.

Show your work.
Drawing and equation may vary.

1. Sean finds 5 orange leaves and some yellow leaves. He finds 14 leaves in all. How many yellow leaves does he find?

9 leaves
label

$5 + 5 + 4 = 14$

$5 + \underbrace{5 + 4}_{9} = 14$

$5 + \boxed{9} = 14$

Add. Use any method.

2.
$$\begin{array}{r} 48 \\ +\ 75 \\ \hline 123 \end{array} \qquad \begin{array}{r} 64 \\ +\ 46 \\ \hline 110 \end{array} \qquad \begin{array}{r} 74 \\ +\ 89 \\ \hline 163 \end{array}$$

Subtract.

3.
$$\begin{array}{r} 56 \\ -\ 19 \\ \hline 37 \end{array} \qquad \begin{array}{r} 82 \\ -\ 53 \\ \hline 29 \end{array} \qquad \begin{array}{r} 61 \\ -\ 46 \\ \hline 15 \end{array}$$

4. **Stretch Your Thinking** Suppose you subtract a 2-digit number from 200. Will you have to ungroup hundreds or tens? Explain. Give an example.

Possible answer: Yes; whenever you subtract a 2-digit number from 200, you will always need to ungroup a hundred for tens because there are no tens in 200. If the 2-digit number has any ones, you will need to ungroup a ten also. Example: 200 − 71

4-8

Homework

Name _____

Decide if you need to ungroup. Then subtract.

1. 147 − 32 = 115

2. 147 − 38 = 109

3. 147 − 48 = 99

4. 126 − 54 = 72

5. 126 − 57 = 69

6. 126 − 97 = 29

7. 187 − 46 = 141

8. 187 − 49 = 138

9. 187 − 99 = 88

10. 172 − 35 = 137

11. 172 − 85 = 87

12. 172 − 31 = 141

Name _____

Remembering

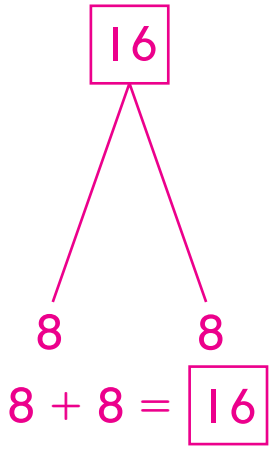
Make a drawing. Write an equation. Solve the problem.

Show your work.
Drawings will vary.

1. The coach gives out 8 large water bottles and 8 small water bottles. How many water bottles does the coach give out?

16 water bottles

label



Add. Use any method.

2.
$$\begin{array}{r} 66 \\ +\ 77 \\ \hline 143 \end{array} \qquad \begin{array}{r} 97 \\ +\ 84 \\ \hline 181 \end{array} \qquad \begin{array}{r} 53 \\ +\ 79 \\ \hline 132 \end{array}$$

Subtract.

3.
$$\begin{array}{r} 200 \\ -\ 41 \\ \hline 159 \end{array} \qquad \begin{array}{r} 200 \\ -\ 73 \\ \hline 127 \end{array} \qquad \begin{array}{r} 200 \\ -\ 57 \\ \hline 143 \end{array}$$

4. **Stretch Your Thinking** Use the numbers below to complete the subtraction problem. Place the numbers so that you must ungroup two times. Then subtract.

3 6 9 5

Answers will vary.

$$\begin{array}{r} 1\ \boxed{3}\ \boxed{5} \\ -\ \boxed{9}\ \boxed{6} \\ \hline \boxed{3}\ \boxed{9} \end{array}$$

Ungroup from the Left or from the Right

4-9

Homework

Name _____

Decide if you need to ungroup. Then subtract.

1. 130 − 99 = 31

2. 150 − 39 = 111

3. 160 − 67 = 93

4. 108 − 88 = 20

5. 120 − 83 = 37

6. 101 − 72 = 29

Solve each word problem. **Show your work.**

Check children's work.

7. There were 120 nickels in a jar. Janice took out 49 nickels. How many nickels are in the jar now?

71 nickels

label

8. Last week, there were 109 books at the bookstore. So far, 25 books have been sold. How many books have not been sold?

84 books

label

4-9 Name

Remembering

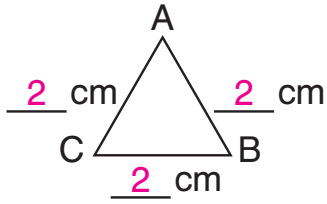
Add. Use doubles.

1. $6 + 7 =$ 13 $\quad 8 + 7 =$ 15 $\quad 6 + 5 =$ 11

2. $9 + 7 =$ 16 $\quad 11 + 9 =$ 20 $\quad 8 + 6 =$ 14

Estimate and then measure each side.
Then find the distance around the triangle.

3.



a. Complete the table.

Side	Estimate	Measure
AB	Estimates	2 cm
BC	may	2 cm
CA	vary.	2 cm

b. Find the distance around the triangle.

2 cm + 2 cm + 2 cm = 6 cm

Decide if you need to ungroup. Then subtract.

4.
$$\begin{array}{r} 169 \\ -\ 44 \\ \hline 125 \end{array} \qquad \begin{array}{r} 185 \\ -\ 79 \\ \hline 106 \end{array} \qquad \begin{array}{r} 132 \\ -\ 68 \\ \hline 64 \end{array}$$

5. **Stretch Your Thinking** Look at Evan's subtraction problem. What did he do wrong? Find the correct answer.

$$\begin{array}{r} 107 \\ -\ 68 \\ \hline 49 \end{array}$$

Possible answer: Evan did not record the new number of tens. The correct answer is 39.

4-10

Homework

Name _____

What would you like to buy? First, see how much money you have. Pay for the item. How much money do you have left?

Yard Sale

Globe
85¢

Ring
67¢

Sports Bag
98¢

Eraser
79¢

Color Pencils
66¢

Answers will vary.

1. I have 124¢ in my pocket.

I bought the _____.

1 2 4¢
− ¢
_____

I have _____ ¢ left.

2. I have 152¢ in my pocket.

I bought the _____.

1 5 2¢
− ¢
_____

I have _____ ¢ left.

3. I have 145¢ in my pocket.

I bought the _____.

1 4 5¢
− ¢
_____

I have _____ ¢ left.

4. I have 131¢ in my pocket.

I bought the _____.

1 3 1¢
− ¢
_____

I have _____ ¢ left.

Name _____

Remembering

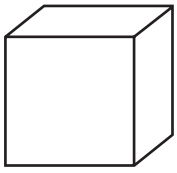
Find the total or partner.

1.

7	9	8	15	12	16
+ 6	+ 5	+ 9	− 6	− 8	− 9
13	14	17	9	4	7

Label the shapes using the words in the box.

cube	quadrilateral	pentagon	hexagon

2. 

cube

3. 

quadrilateral

Solve the word problem. **Show your work.**

4. Logan buys a notebook with 106 pages. He uses 29 of the pages. How many pages are not used?

77 pages

label

Check children's work.

5. **Stretch Your Thinking** Kayla has 135¢. She buys a toy and has 78¢ left. What is the price of the toy she buys?

57¢

4-11

Homework

Name _____

Subtract.

1. $\begin{array}{r} 29 \\ -\ 13 \\ \hline 16 \end{array}$

2. $\begin{array}{r} 54 \\ -\ 26 \\ \hline 28 \end{array}$

3. $\begin{array}{r} 75 \\ -\ 25 \\ \hline 50 \end{array}$

4. $\begin{array}{r} 48 \\ -\ 38 \\ \hline 10 \end{array}$

5. $\begin{array}{r} 90 \\ -\ 57 \\ \hline 33 \end{array}$

6. $\begin{array}{r} 17 \\ -\ 8 \\ \hline 9 \end{array}$

7. $\begin{array}{r} 100 \\ -\ 42 \\ \hline 58 \end{array}$

8. $\begin{array}{r} 63 \\ -\ 22 \\ \hline 41 \end{array}$

9. $\begin{array}{r} 97 \\ -\ 59 \\ \hline 38 \end{array}$

10. Explain how you found the difference for Exercise 7.

Check children's work. Children's explanations should include ungrouping a hundred and ungrouping a ten.

4-11 Name _____

Remembering

Make a matching drawing or draw comparison bars. Solve the problem.

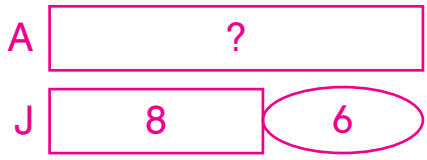
Show your work.

1. Jayden has 8 grapes. Ashley has 6 more grapes than Jayden has. How many grapes does Ashley have?

14 grapes

label

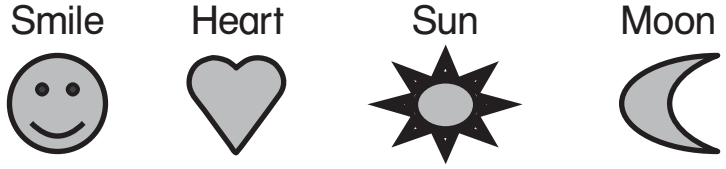
Sample drawing is shown.



8 + 6 = ☐

Which sticker would you like to buy? First, see how much money you have. Pay for the sticker. How much money do you have left?

Sticker Sale



Answers will vary.

2. I have 132¢ in my pocket.

I bought the _____.

132¢
− ¢

I have _____ ¢ left.

3. I have 164¢ in my pocket.

I bought the _____.

164¢
− ¢

I have _____ ¢ left.

---

4. Stretch Your Thinking Subtract. Which subtraction takes longer to do? Explain.

Possible answer: B; I have to ungroup.

A	B
64	92
− 31	− 47
33	45

4-12

Homework

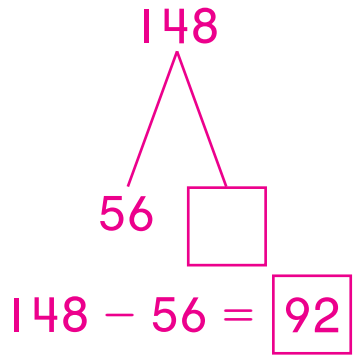
Name _____

Draw a Math Mountain to solve each word problem. Show how you add or subtract.

Show your work.
Check children's work.
Order of addends may vary.

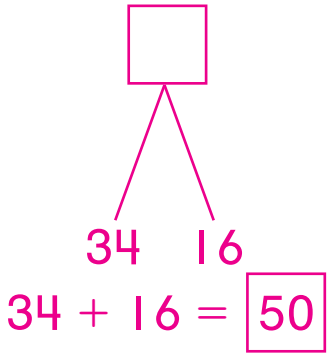
1. Papi has 148 slices of pizza in his shop. He sells 56 slices. How many slices does Papi have left?

92 slices
label



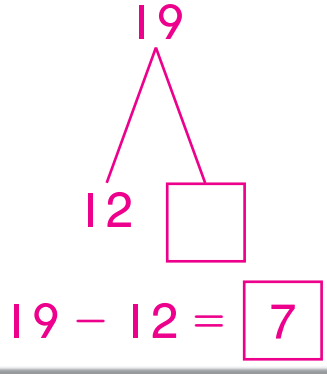
2. There are 34 children at the park. Then 16 children join them. How many children are at the park now?

50 children
label



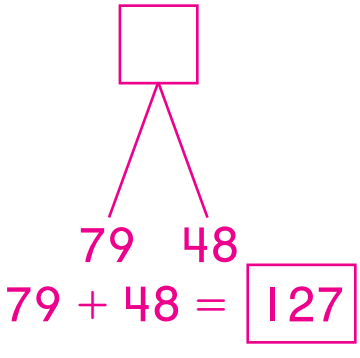
3. Bella has 19 crayons. She gives 12 of them to her friend. How many crayons does she have left?

7 crayons
label



4. Seventy-nine girls and forty-eight boys are in Grade 2 at Center School. How many children are in Grade 2?

127 children
label



Name _____

Remembering

Make a drawing. Write an equation. Solve the problem.

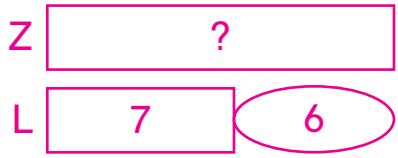
Show your work.

Drawings and equations will vary.

1. Luke has 7 trucks. Zoe has 6 more trucks than Luke. How many trucks does Zoe have?

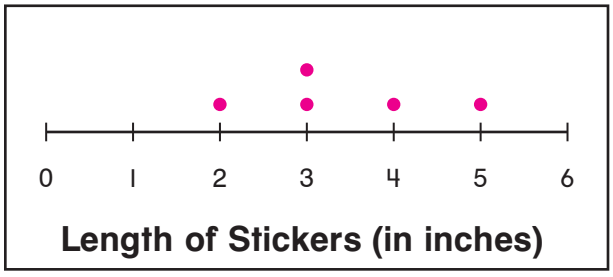
13 trucks

label



13 = 7 + 6

2. Show the data from the table on the line plot.



Length of Stickers (in inches)
5 inches
3 inches
4 inches
2 inches
3 inches

Subtract.

3.
$$\begin{array}{r} 54 \\ -\ 31 \\ \hline 23 \end{array}$$

4.
$$\begin{array}{r} 81 \\ -\ 26 \\ \hline 55 \end{array}$$

5.
$$\begin{array}{r} 74 \\ -\ 7 \\ \hline 67 \end{array}$$

6. Stretch Your Thinking Write and solve a subtraction word problem that starts with 146. The answer should be less than 100.

Possible answer: There are 146 balls in the bin. 58 balls spill out. How many balls are in the bin now? 88 balls

$$\begin{array}{r} 146 \\ -\ 58 \\ \hline 88 \end{array}$$

4-13

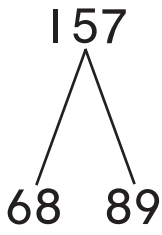
Homework

Name _____

1. Write all of the equations for 74, 25, and 49.

25 + 49 = 74	74 = 25 + 49
49 + 25 = 74	74 = 49 + 25
74 − 25 = 49	49 = 74 − 25
74 − 49 = 25	25 = 74 − 49

2. Write all of the equations for 157, 68, and 89.



68 + 89 = 157	157 = 68 + 89
89 + 68 = 157	157 = 89 + 68
157 − 68 = 89	89 = 157 − 68
157 − 89 = 68	68 = 157 − 89

4-13 Name

Remembering

Add in any order. Write the total.

1. $6 + 3 + 5 = \boxed{14}$ $\quad 9 + 2 + 9 = \boxed{20}$ $\quad 3 + 5 + 7 = \boxed{15}$

2. $8 + 7 + 2 = \boxed{17}$ $\quad 7 + 3 + 8 = \boxed{18}$ $\quad 5 + 8 + 4 = \boxed{17}$

Make a drawing for each number. Write <, >, or =.

3. 122 (<) 131

4. 35 (>) 28

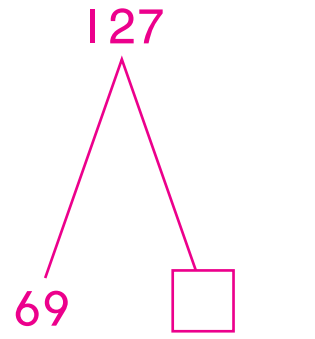
Draw a Math Mountain to solve the word problem. Show how you add or subtract.

Show your work.

5. Berry Elementary School has 127 children. 69 of the children are girls. How many children are boys?

58 boys

label



$127 - 69 = \boxed{58}$

6. **Stretch Your Thinking** When would there be only four different equations for a set of Math Mountain numbers? Give an example.

when the two addends are the same

$30 + 30 = 60$

$60 - 30 = 30$

$60 = 30 + 30$

$30 = 60 - 30$

4-14

Homework

Name _____

Add or subtract. Watch the sign!

1. $75 + 25 = 100$

2. $14 + 6 = 20$

3. $47 + 38 = 85$

4. $87 - 48 = 39$

5. $34 + 18 = 52$

6. $27 - 8 = 19$

7. $100 - 85 = 15$

8. $67 - 29 = 38$

9. $58 + 37 = 95$

10. $81 - 53 = 28$

11. $47 + 37 = 84$

12. $99 - 39 = 60$

Name _____

Remembering

Make a drawing. Write an equation. Solve the problem.

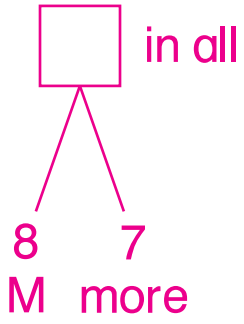
Show your work.

1. Mayumi shops with her mom. She puts 8 oranges in the basket. Her mom puts in 7 more oranges. How many oranges are in the basket now?

15 oranges

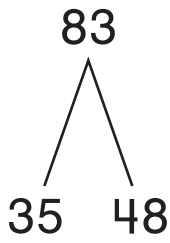
label

Equations and drawings will vary.



$8 + 7 = 15$

2. Write all of the equations for 83, 35, 48.



$35 + 48 = 83$

$48 + 35 = 83$

$83 - 35 = 48$

$83 - 48 = 35$

$83 = 35 + 48$

$83 = 48 + 35$

$48 = 83 - 35$

$35 = 83 - 48$

3. **Stretch Your Thinking** Allison solved this problem. Is she correct? If not, explain and solve.

$$\begin{array}{r} 46 \\ +\ 17 \\ \hline 53 \end{array}$$

No; she added but forgot to count the new ten (6 + 7 = 13). The answer should be 63.

4-15

Homework

Name _____

Mr. Green wants to buy some things at a flea market. He will pay for the items with one dollar (100 cents). How much change will he get back?

Mittens
17¢

Toy Binoculars
39¢

Toy Camera
46¢

Toy Lamb
28¢

Plant
52¢

1. Mr. Green buys the mittens and the plant.

17 ¢

\+ 52 ¢

Total: 69 ¢

100¢ − 69 ¢ = 31 ¢

His change will be 31 ¢.

2. Mr. Green buys the toy lamb and the toy camera.

28 ¢

\+ 46 ¢

Total: 74 ¢

100¢ − 74 ¢ = 26 ¢

His change will be 26 ¢.

3. Mr. Green buys the toy binoculars and the toy lamb.

39 ¢

\+ 28 ¢

Total: 67 ¢

100¢ − 67 ¢ = 33 ¢

His change will be 33 ¢.

4. Mr. Green buys the toy camera and the plant.

46 ¢

\+ 52 ¢

Total: 98 ¢

100¢ − 98 ¢ = 2 ¢

His change will be 2 ¢.

4-15 Name

Remembering

Add or subtract.

1.

5	9	6	13	18	14
+ 4	+ 6	+ 8	− 8	− 9	− 9
9	15	14	5	9	5

Cross out the extra information or write hidden or missing information. Then solve the problem.

Show your work.
Answers will vary.

2. Latisha has some apples. She buys 5 more. How many apples does she have now?

Latisha has 7 apples.

12 apples

label

Add or subtract. Watch the sign!

3.

73	56	100
− 38	+ 27	− 47
35	83	53

4. Stretch Your Thinking Rashid has one dollar (100 cents). He wants to buy a ball for 50 cents. He also wants to buy two other toys and still have money left over. Explain what Rashid needs to do when choosing the two toys.

Rashid needs to find two toys that total 49 cents or less so that he may also buy the ball and have at least 1 cent left over.

4-16

Homework

Name _____

Add up to solve each word problem.

Show your work.
Check children's work.

1. Rudy has 45 ants in his ant farm. He adds some more ants to the ant farm. Now there are 69 ants. How many ants does Rudy add to the ant farm?

24 ants
label

2. Tina has 92 flowers in her garden this morning. After she takes some flowers to school, there are 33 flowers in her garden. How many flowers does Tina take to school?

59 flowers
label

3. Lia collects 86 buttons. Then she gives some to Matt. Now Lia has 61 buttons. How many buttons does Lia give to Matt?

25 buttons
label

4. There were 73 cars in the garage this morning. Now there are 24 cars in the garage. How many cars left the garage?

49 cars
label

4-16 Name

Remembering

Add. Use doubles.

1. $5 + 6 =$ 11 $9 + 7 =$ 16 $10 + 8 =$ 18

2. $7 + 8 =$ 15 $8 + 8 =$ 16 $7 + 6 =$ 13

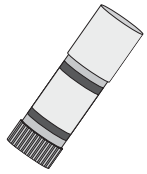
Mia and Tom buy things at the school store. They will each pay for the items with one dollar (100 cents). How much change will they each get back?

Eraser
37¢

Sticker
16¢

Pen
34¢

Marker
51¢



Glue stick
48¢

3. Mia buys the marker and the sticker.

51 ¢

\+ 16 ¢

Total: 67 ¢

100¢ − 67¢ = 33¢

Her change will be 33 ¢.

4. Tom buys the eraser and the glue stick.

37 ¢

\+ 48 ¢

Total: 85 ¢

100¢ − 85¢ = 15¢

His change will be 15 ¢.

5. Stretch Your Thinking Use the pictures and prices above. Suppose Mia has another 100 cents and buys one item. If she has 66¢ left, how can you tell which item she bought? Explain.

I know that if there are 6 ones left, the item must have 4 ones in it. So I know she bought the pen. 34 + 66 = 100.

4-17

Homework

Name _____

Solve each word problem. **Show your work.**

1. Alma and Larry have stickers to put on their poster. Alma has 28 stickers. They have 84 stickers in all. How many stickers does Larry have?

56 stickers

label

2. There are 61 magazines in the library. Then more magazines are delivered. Now there are 100 magazines. How many new magazines are delivered to the library?

39 magazines

label

3. Mori puts 95 pretzels in a bowl. Her friends eat some. Now there are 72 pretzels in the bowl. How many pretzels do her friends eat?

23 pretzels

label

4. Eric's basketball team scores 36 points in the first game. They score some points in the second game. In the two games, they score 52 points in all. How many points do they score in the second game?

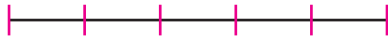
16 points

label

4-17 Name

Remembering

Use your centimeter ruler. Measure the horizontal line segment below by marking and counting 1-cm lengths.

1.  5 cm

Add ones or tens.

2. $5 + 6 =$ 11 $8 + 7 =$ 15 $9 + 4 =$ 13

$50 + 60 =$ 110 $80 + 70 =$ 150 $90 + 40 =$ 130

Add up to solve the word problem.

Show your work.

Check children's work.

3. Austin has 65 United States stamps. He gets more stamps from other countries. Now he has 84 stamps. How many stamps are from other countries?

19 stamps

label

4. **Stretch Your Thinking** Look at Problem 3. Did you add to solve the problem? Explain.

Possible answer: I used the Adding Up Method, so I used addition to find the answer to a subtraction problem.

Name _____

Write an equation. Solve the word problem. Children's equations may vary.

1. Abigail's mother gives her some carrots to sell at the state fair. Abigail picks 16 more carrots from the garden. Now Abigail has 73 carrots to sell. How many carrots did her mother give her?

$\square + 16 = 73$

57 carrots

label

2. Stanley the grocer has lots of onions. He sells 44 onions in the morning. Now he has 48 onions left to sell. How many onions did Stanley have to begin with?

$\square - 44 = 48$

92 onions

label

3. At the end of the first half of the basketball game, Carmen's team has 23 points. At the end of the second half, they have 52 points. How many points did Carmen's team score in the second half of the game?

$23 + \square = 52$

29 points

label

4. Mr. Art has 88 sheets of paper in his cabinet. He gives some paper to his students. Then he has 61 sheets of paper left. How many sheets of paper did Mr. Art give to his students?

$88 - \square = 61$

27 sheets of paper

label

4-18 Name _____

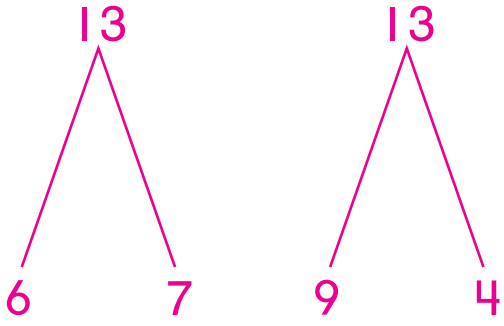
Remembering

Find the unknown addend (unknown partner).

1. $5 + \boxed{8} = 13$ $\quad 16 - 7 = \boxed{9}$ $\quad 6 + \boxed{8} = 14$

2. $9 + \boxed{7} = 16$ $\quad 15 - 8 = \boxed{7}$ $\quad 13 - 7 = \boxed{6}$

3. **Draw a Picture and Explain** Draw two different Math Mountains with a total of 13. Explain why you can make two different Math Mountains. Answers will vary.



Sample answer: Each Math Mountain has different partners but has a total of 13.

Solve the word problem. **Show your work.**

4. Erin has 56 crayons. She gets some new ones. Now she has 82 crayons. How many new crayons did she get?

$\boxed{26}$ crayons
label

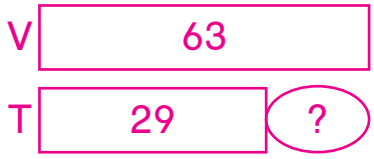
5. **Stretch Your Thinking** Write and solve a word problem that has an unknown start number. Use 2-digit numbers.

Answers will vary. Possible answer: The florist has some roses. She gets a delivery of 23 more roses. Now she has 71 roses. How many roses did she start with? 48 roses

Name _____

Draw comparison bars and write an equation to solve each problem. Children's equations may vary.

1. Tran has 29 seashells. Vimi has 63 seashells. How many fewer seashells does Tran have than Vimi?

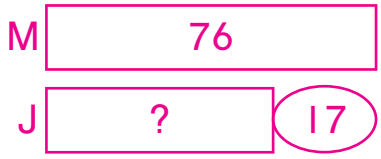


$63 - 29 = \square$

34 fewer seashells

label

2. Justine and Morgan are buying feathers at the craft store. Morgan buys 17 more feathers than Justine. Morgan buys 76 feathers. How many feathers does Justine buy?

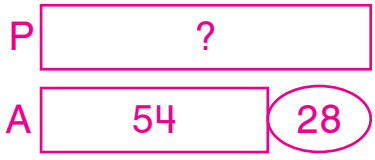


$76 - 17 = \square$

59 feathers

label

3. Ali has 54 guppies in her fish tank. Peter has 28 more guppies than Ali. How many guppies does Peter have in his fish tank?

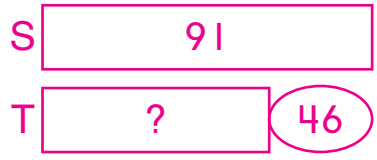


$54 + 28 = \square$

82 guppies

label

4. Stanley the grocer buys 91 bags of flour for his store. Ted buys 46 fewer bags of flour than Stanley. How many bags of flour does Ted buy?



$91 - 46 = \square$

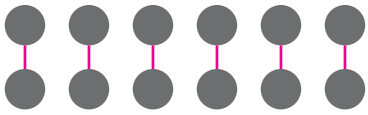
45 bags of flour

label

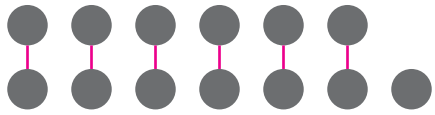
4-19 Name

Remembering

Draw lines to make pairs. Write odd or even.

1. 

even

2. 

odd

Be the helper. Is the answer OK? Write *yes* or *no*.
If *no*, fix the mistake and write the correct answer.

3. $\begin{array}{r} 59 \\ +\ 23 \\ \hline 82 \end{array}$ OK? Yes

4. $\begin{array}{r} 16 \\ +\ 58 \\ \hline 64 \end{array}$ OK? No

74

5. $\begin{array}{r} 37 \\ +\ 49 \\ \hline 716 \end{array}$ OK? No

86

Write an equation. Solve the word problem.

Children's equations may vary.

6. Mrs. Patel has some plates. She uses 37 of them at the picnic. She has 58 plates left. How many plates were in the stack to start with?

95 − 37 = 58

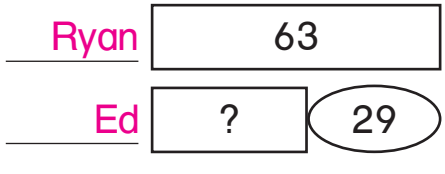
95 plates

label

7. **Stretch Your Thinking** Write and solve a word problem that matches the drawing.

Possible answer shown.

Ed has some cars. Ryan has 29 more cars than Ed. Ryan has 63 cars. How many cars does Ed have? 34 cars



4-20

Homework

Name _____

Make a drawing. Write an equation. Solve. Drawings and equations will vary.

1. Mariko has 63 photos in her photo book. That is 23 fewer photos than Sharon has. How many photos does Sharon have?

86 photos

label

2. Fred has some crayons. He gives Drew 26 crayons. Now Fred has 42 crayons. How many crayons did Fred start with?

68 crayons

label

3. Marisa brings out 60 bowls for the party. Thirty-five of the bowls are large. The rest are small. How many small bowls does Marisa bring out?

25 small bowls

label

4. Sean sells 35 tickets for the school play. If he sells 24 more tickets, he will sell all the tickets he had at the start. How many tickets did Sean start with?

59 tickets

label

Name _____

Remembering

Add.

1. 15 + 29 + 34 = 78

2. 23 + 38 + 27 + 59 = 147

Solve the word problem.

Show your work.

3. Carter has 5 jersey shirts, 4 solid shirts, and some plaid shirts. He has 15 shirts altogether. How many plaid shirts does he have?

6 plaid shirts

label

5 + 4 = 9
J S

15 shirts in all

9 ☐

J + S P

15 = 9 + 6

Draw comparison bars and write an equation to solve the problem. Children's equations may vary.

4. Max has 72 pennies. Jada has 34 fewer pennies than Max. How many pennies does Jada have?

38 pennies

label

Max | 72

Jada | ? | 34

72 − 34 = 38

5. Stretch Your Thinking Write and solve a word problem that matches the drawing.

Possible answer: Erin has some toy cars. Ryan has 29 more toy cars than Erin. Ryan has 55 toy cars. How many toy cars does Erin have? 26 toy cars

Ryan | 55

Erin | ? | 29

4-21

Homework

Name _____

Think about the first-step question.
Then solve the problem.

1. Luisa has 35 building blocks. Jack gives her 18 more blocks. Luisa uses 26 blocks to build a castle. How many blocks are not used in the castle?

27 blocks

label

2. There are 45 red apples and 24 green apples for sale at a farm stand. The farmer sells some apples. Now she has 36 apples left. How many apples does the farmer sell?

33 apples

label

3. Maria has 16 more beads than Gus. Gus has 24 beads. Denise has 12 more beads than Maria. How many beads does Denise have?

52 beads

label

4-21 Name

Remembering

Find the total or partner.

1.

7	6	9	16	12	17
+ 8	+ 8	+ 6	− 8	− 7	− 9
15	14	15	8	5	8

2. Look for shapes in your classroom and school.
List or draw objects that show triangles.

Answers or drawings will vary.

Possible answers: sign, pizza slice, part of a sandwich

Make a drawing. Write an equation. Solve. Drawings and equations will vary.

3. Eric has 53 baseball cards.
17 cards are new. The rest are old.
How many baseball cards
are old?

36 baseball cards
label

4. Stretch Your Thinking Write a 2-step word problem that uses subtraction then addition. Solve.

Possible answer: Sara has 42 stickers. She uses 23 of them. Then she buys 12 more stickers. How many stickers does she have now? 31 stickers

4-22

Homework

Name _____

Think about the first-step question.
Then solve the problem.

1. There are 45 children at the park in the morning. 25 are boys and the rest are girls. Some more girls come to the park in the afternoon. Now there are 30 girls at the park. How many girls come to the park in the afternoon?

10 girls

label

2. Jonah has 36 sheets of green paper and 26 sheets of blue paper. He gives some sheets of green paper to Tova. Now he has 42 sheets of paper. How many sheets of green paper does he give Tova?

20 sheets of green paper

label

3. There are 16 mystery books, 22 history books, and 21 science books in a large bookcase. A smaller bookcase has 30 fewer books. How many books are in the smaller bookcase?

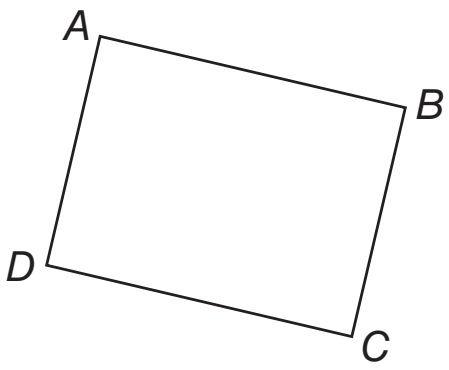
29 books

label

4-22 Name

Remembering

Estimate and then measure each side.
Then find the distance around the rectangle.

1. 

a. Complete the table. Use a centimeter ruler to measure.

Side	Estimate	Measure
AB	Estimates	4 cm
BC	may	3 cm
CD	vary.	4 cm
DA		3 cm

b. Find the distance around the rectangle.

4 cm + 3 cm + 4 cm + 3 cm = 14 cm

Think about the first-step question. Then solve the problem.

2. Kate has 37 old crayons and 45 new crayons. She gives some crayons to Sam. Now she has 56 crayons. How many crayons did she give to Sam?

26 crayons
label

---

3. **Stretch Your Thinking** Use the information in the table to write a 2-step word problem. Then solve.

Points Scored	
Will	47
Ava	29
Cody	35

Possible answer: How many more points would Will need to have as many as Ava and Cody together? 17 points

4-23

Homework

Name _____

The children on the math team each measured the length of one of their feet. They made a table to show their data.

Length of Foot

Name	Length
Marta	19 cm
Pete	18 cm
Alberto	20 cm
Miko	13 cm
Sasha	16 cm

Use the table to solve each word problem. **Show your work.**

1. How much longer is Alberto's foot than Pete's?

   2 cm or centimeters

   label

2. Which child has a foot that is 3 cm longer than Sasha's?

   Marta

3. Miko's foot is 2 cm shorter than Jon's. What is the length of Jon's foot?

   15 cm or centimeters

   label

4. Use the information in the table to write your own problem. Solve the problem.

   Children's problems will vary.

4-23 Name

Remembering

Complete the addition doubles equation.

1. 7 + 7 = 14	2. 4 + 4 = 8
3. 3 + 3 = 6	4. 9 + 9 = 18

Add.

5.

46	34	69
+ 28	+ 57	+ 52
74	91	121

Think about the first-step question. Then solve the problem.

6. The coach gets a delivery of 24 large uniforms, 18 medium uniforms, and 25 small uniforms. He returns 19 of the uniforms. How many uniforms does the coach have now?

48 uniforms

label

7. **Stretch Your Thinking** Use a centimeter ruler to measure four objects. Record each length. Then write a question and solve.

Answers will vary. Check children's work.

Object	Length

5-1

Homework

Name _____

Write the time in two different ways.

1. 

4 o'clock

4:00

2. 

3 o'clock

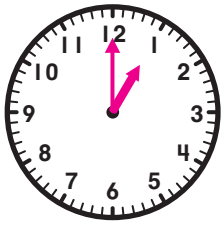
3:00

3. 

11 o'clock

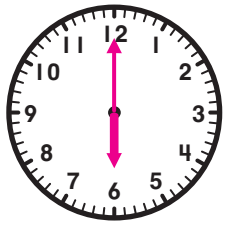
11:00

Draw the hands on each analog clock and write the time on each digital clock below.

4. 

1 o'clock

1:00

5. 

6 o'clock

6:00

6. 

12 o'clock

12:00

For each activity, ring the appropriate time.

7. eat an afternoon snack

3:00 A.M. (2:00 P.M.) 6:00 P.M.

8. go to a movie after dinner

8:00 A.M. 12:00 NOON (7:00 P.M.)

5-1

Name _____

Remembering

Add.

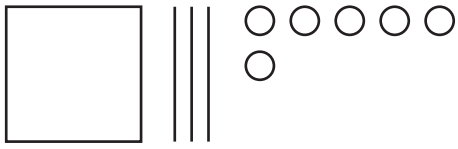
1.

4	6	3	5	8	9
+ 7	+ 9	+ 7	+ 2	+ 8	+ 1
11	15	10	7	16	10

What number is shown?

H = Hundreds, T = Tens, O = Ones

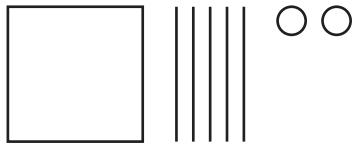
2.



1 H 3 T 6 O

136 = 100 + 30 + 6

3.



1 H 5 T 2 O

152 = 100 + 50 + 2

Label the shapes using the words in the box.

cube	quadrilateral	pentagon	hexagon

4.

hexagon

5.

quadrilateral

6. Stretch Your Thinking Name the same activity you might do at 9:00 A.M. and at 9:00 P.M.

Answers will vary. Possible answer: brushing teeth

5-2

Homework

Name _____

Write the time on the digital clocks.

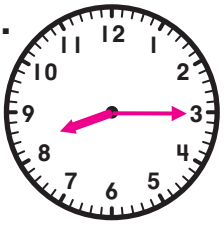
1. 
6:25

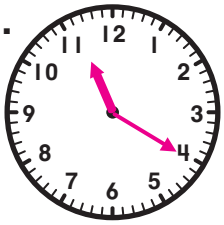
2. 
1:50

3. 
5:10

4. 
9:40

Draw hands on each clock to show the time.

5. 
8:15

6. 
11:20

7. 
12:30

8. 
1:45

For each activity, ring the appropriate time.

9. trip to the zoo

(11:10 A.M.)

11:10 P.M.

10. building sand castles

(10:00 A.M.)

10:00 P.M.

11. bedtime story

8:15 A.M.

(8:15 P.M.)

12. shadow puppets

9:30 A.M.

(9:30 P.M.)

5-2 Name

Remembering

Complete the addition doubles equation.

1. $\boxed{4} + \boxed{4} = 8$

2. $\boxed{9} + \boxed{9} = 18$

3. $\boxed{6} + \boxed{6} = 12$

4. $\boxed{8} + \boxed{8} = 16$

Add. Use any method.

5. $\begin{array}{r} 53 \\ +\ 89 \\ \hline 142 \end{array}$

6. $\begin{array}{r} 72 \\ +\ 48 \\ \hline 120 \end{array}$

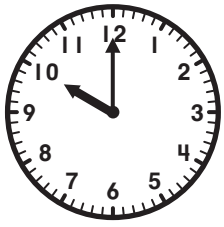
7. $\begin{array}{r} 95 \\ +\ 66 \\ \hline 161 \end{array}$

Write the time in two different ways.

8. 

6 o'clock

6:00

9. 

10 o'clock

10:00

10. 

2 o'clock

2:00

11. **Stretch Your Thinking** Name three different times when both hands are between the 12 and the 3 on the clock.

Answers will vary. Possible answers: 1:05; 2:10; 12:03

5-3

Homework

Name _____

Use the picture graph to answer the questions.

Book Sales

Peter										
Tammy										
Shana										

1. Who sold the most books? Shana

2. Who sold the fewest books? Tammy

3. How many more books did Shana sell than Tammy?

   5 more books

   label

4. How many fewer books did Peter sell than Shana?

   4 fewer books

   label

5. How many more books did Peter sell than Tammy?

   1 more book

   label

6. How many books did the children sell altogether?

   18 books

   label

7. **Write Your Own** Write and solve your own question about the graph.

   Answers will vary.

5-3 Name

Remembering

Add ones or tens.

1. $5 + 9 =$ 14 $\quad 4 + 7 =$ 11 $\quad 6 + 7 =$ 13

$50 + 90 =$ 140 $\quad 40 + 70 =$ 110 $\quad 60 + 70 =$ 130

Solve the word problem. Rewrite the 100 or make a drawing. Add to check your work.

2. Savanna had 100 pennies in a jar. She spent some of them. She has 27 in the jar now. How many pennies did she spend?

73 pennies

label

Draw hands on each clock to show the time.

3. 

4. 

5. 

6. 

5:10 $\quad$ 2:50 $\quad$ 10:25 $\quad$ 7:45

7. Stretch Your Thinking Without counting, how can you tell which item has the most on a picture graph?

Answers will vary. Possible answer: Find the row that has pictures furthest to the right.

5-4

Homework

Name _____

Read the picture graph.
Write the number. Ring *more* or *fewer*.

Number of Goldfish

Mina	
Emily	
Raj	

1. Mina has [3] *more* (*fewer*) goldfish than Emily.

2. Raj needs [2] (*more*) *fewer* fish to have as many as Emily has.

Solve.

Number of Bells

Dan	
Tani	
Loren	

3. How many bells do the children have altogether?

[17] bells

label

4. Dan has 6 red bells. The rest are yellow. How many of Dan's bells are yellow?

[2] bells

label

5-4 Name

Remembering

Add in any order. Write the total.

1. 1 + 5 + 9 = 15

2. 6 + 6 + 5 = 17

3. 2 + 4 + 3 + 3 = 12

4. 3 + 8 + 5 + 7 = 23

Use the picture graph to answer the questions.

Pens

Sophia										
Jeremy										
David										

5. Who has the most pens? Sophia

6. Who has the fewest pens? Jeremy

7. How many more pens does Sophia have than David?

2 more pens
label

---

8. **Stretch Your Thinking** Without counting all of the pens, explain how you can find how many fewer pens Jeremy has than David.

Answers will vary. Possible answer: I will only count from the end of David's row back until I get to where Jeremy's row ends. So, Jeremy has 3 fewer pens.

5-5

Homework

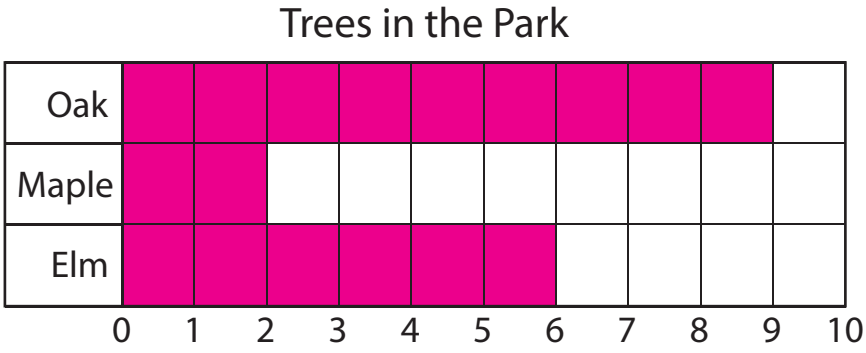
Name _____

1. The park has 9 oak trees, 2 maple trees, and 6 elm trees in it. Complete the data table.

Trees in the Park

Oak	9
Maple	2
Elm	6

2. Use the data table to complete the bar graph.



Use your bar graph. Write the number and ring *more* or *fewer*.

3. There are [7] (*more*) *fewer* oak trees than maple trees in the park.

4. There are [4] *more* (*fewer*) maple trees than elm trees in the park.

5. We need to plant [3] (*more*) *fewer* elm trees to have as many elm trees as oak trees.

5-5 Name

Remembering

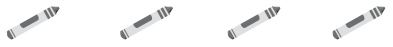
Add.

1. $20 + 40 =$ 60 $10 + 90 =$ 100 $50 + 30 =$ 80

$2 + 4 =$ 6 $1 + 9 =$ 10 $5 + 3 =$ 8

Read the picture graph.
Write the number. Ring *more* or *fewer.*

Number of Crayons

Ellen	
Brad	
Yoko	

2. Brad has [2] *more* (*fewer*) crayons than Yoko.

3. Ellen needs [3] (*more*) *fewer* crayons to have as many crayons as Brad.

4. Five of Yoko's crayons are new. The rest of her crayons are old. How many are old?

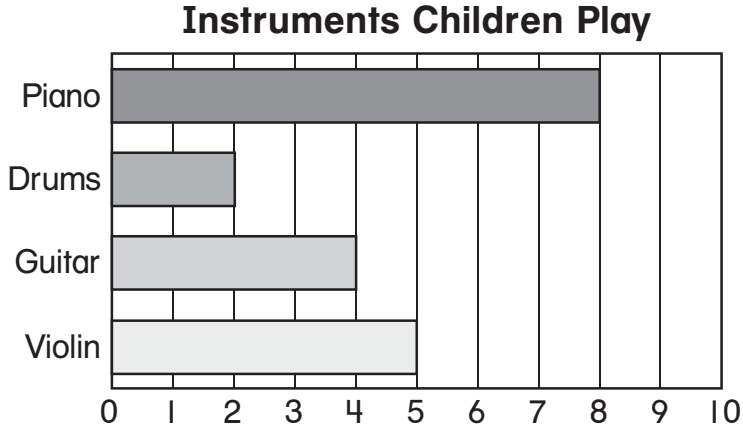
[4] crayons
label

5. Stretch Your Thinking Explain how a bar graph and a picture graph are alike.

Answers will vary. Possible answer: Both graphs show pictures or bars in rows or columns. You can see how to compare numbers in both graphs by looking at the rows or columns.

Name _____

Nineteen children each play a musical instrument.



Use the bar graph to complete the sentences.

1. Two fewer children play the drums than the guitar.

2. Nine children play the guitar or the violin.

3. 4 more children have to play the guitar to have the same number as the children who play the piano.

4. 3 fewer children play the violin than play the piano.

5. 10 children play the piano or the drums.

6. 17 children play the piano, the guitar, or the violin.

5-6 Name

Remembering

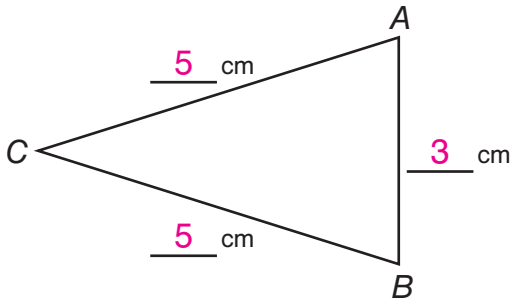
Solve. Make a proof drawing. **Show your work.**

1. Megan bakes 57 biscuits. Each bag holds 10 biscuits. How many bags will be full? How many biscuits will be left over?

5 bags 7 biscuits left over

Estimate and then measure each side.
Then find the distance around the triangle.

2.



a. Complete the table.

Side	Estimate	Measure
AB	Estimates	3 cm
BC	may	5 cm
CA	vary.	5 cm

b. Find the distance around the triangle.

3 cm + 5 cm + 5 cm = 13 cm

---

3. Nathan has 6 cars, 4 trucks, and 8 buses in his toy garage. Complete the table to show this.

Nathan's Garage

Cars	6
Trucks	4
Buses	8

4. Stretch Your Thinking Look at the completed table in Exercise 3. Explain how the bars would look if the information were in a bar graph.

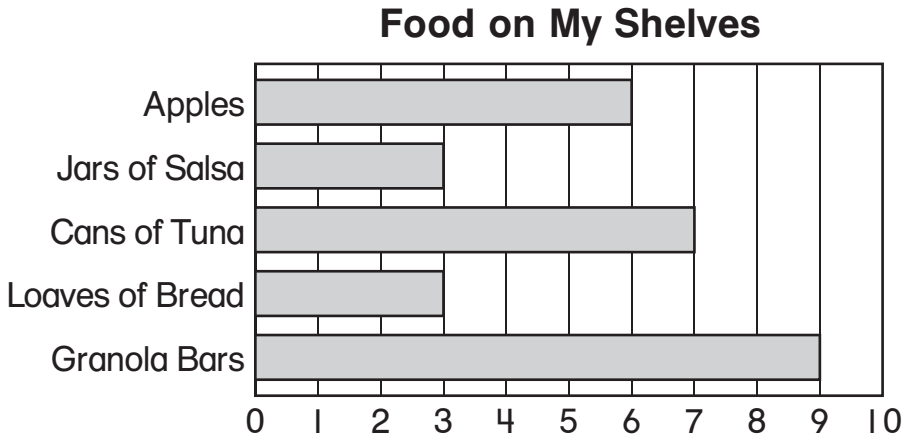
Possible answer: The bar showing cars would go to the number 6, the bar showing trucks would be the shortest and go to the number 4, and the bar showing buses would go to the number 8. That would be the longest bar.

5-7

Homework

Name _____

Use the bar graph to answer the questions below.
Fill in the circle next to the correct answer.



1. How many more cans of tuna are there than jars of salsa?

- ● 4
- ○ 5
- ○ 6
- ○ 7

2. Altogether, how many apples and granola bars do I have?

- ○ 11
- ○ 13
- ● 15
- ○ 16

3. I eat some apples. Now there are only 4 apples left. How many apples did I eat?

- ○ 0
- ○ 1
- ● 2
- ○ 4

4. Write Your Own Write 1 question about the graph. Answer your question.

Check children's work.

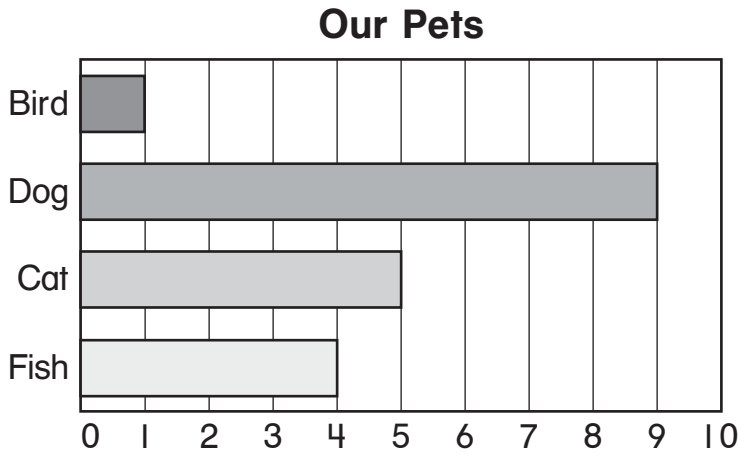
5-7 Name

Remembering

Write <, >, or =.

1. 164 (>) 146	2. 79 (=) 79
3. 88 (<) 123	4. 125 (>) 124

Use the bar graph to complete the sentences.



5. Three fewer children have birds than fish.

6. Thirteen children have dogs or fish.

7. 4 more children need to have cats to have the same number as the children who have dogs.

8. **Stretch Your Thinking** Look at the bar graph. Name three ways that the information could change so that there would be the same number of birds and cats.

Answers will vary. Possible answer: If there were 4 fewer cats, 4 more birds, 2 fewer cats and 2 more birds.

5-8

Homework

Name _____

1. Prince won 8 medals at the dog show. Lady won 5 medals. Muffy won 3 medals. Make a table to show this.

Medals Won at the Dog Show

Dog	Medals
Prince	8
Lady	5
Muffy	3

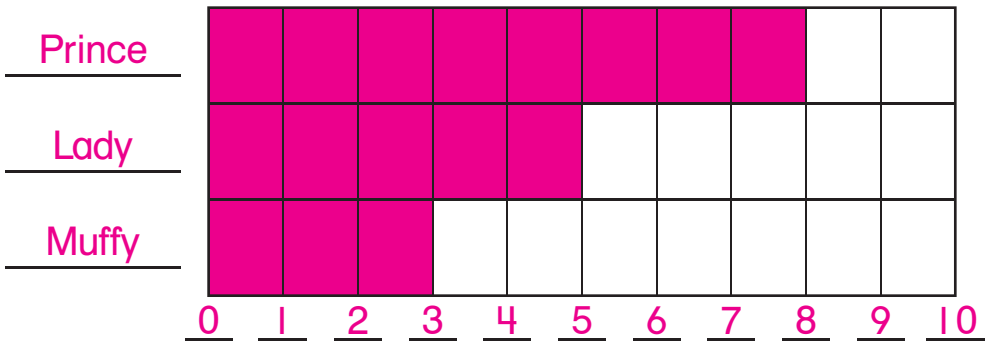
2. Use the information in the table to make a picture graph. Use a circle for each  .

Medals Won at the Dog Show

Prince	○	○	○	○	○	○	○	○		
Lady	○	○	○	○	○					
Muffy	○	○	○							

3. Use the information in the table to make a bar graph.

Medals Won at the Dog Show



5-8 Name

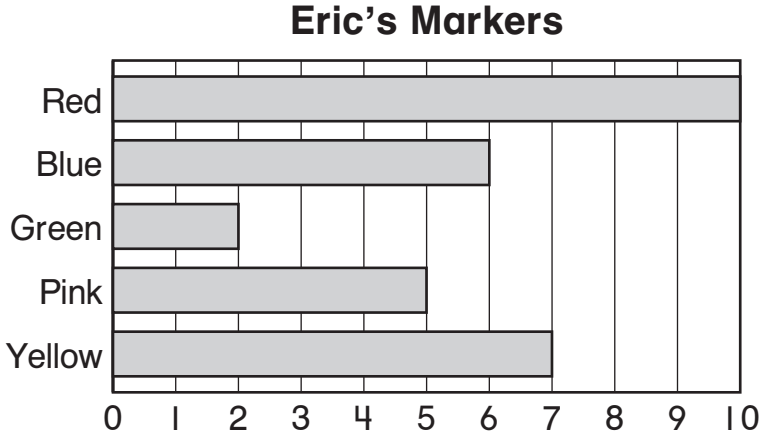
Remembering

Subtract using any method.

1. $\begin{array}{r} 73 \\ -\ 42 \\ \hline 31 \end{array}$

2. $\begin{array}{r} 60 \\ -\ 18 \\ \hline 42 \end{array}$

Use the bar graph to answer the questions below. Fill in the circle next to the correct answer.



3. How many fewer green markers than pink markers does Eric have?

- ○ 5
- ○ 4
- ● 3
- ○ 2

4. Eric loses some red markers. Now there are only 6 red markers left. How many red markers did he lose?

- ○ 16
- ○ 9
- ○ 5
- ● 4

5. Stretch Your Thinking Make a table that shows the following information about trees in a park.
There are twice as many oak trees as elm trees.
There are 3 fewer maple trees than oak trees.
Tables will vary. Possible table shown.

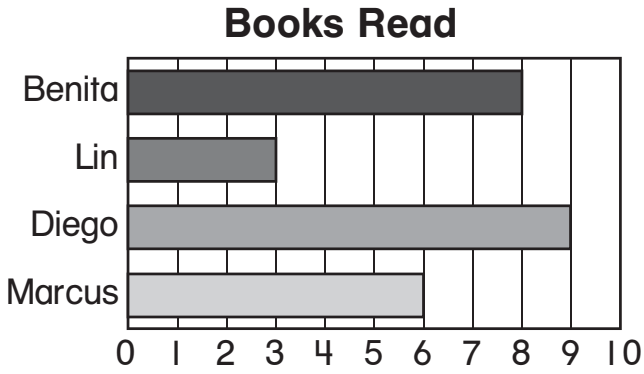
Trees in a Park

	Trees
Oak	10
Elm	5
Maple	7

5-9

Homework

Name _____



Use the bar graph to solve the problems.

1. Benita read 4 history books. The rest were science books. How many science books did she read?

   4 science books
   label

2. Marcus read 3 fewer books than Gina. How many books did Gina read?

   9 books
   label

3. Diego read 4 more books than Eva. How many books did Eva read?

   5 books
   label

4. How many more books did Marcus and Diego read than Benita and Lin?

   4 more books
   label

5. Ali read 4 more books than Lin and Marcus. How many books did Ali read?

   13 books
   label

5-9 Name

Remembering

Subtract.

1.

18	14	10	15	16	11
− 9	− 8	− 3	− 9	− 7	− 5
9	6	7	6	9	6

2. Zoe makes a bracelet with 4 square beads, 1 oval bead, and 9 heart beads. Make a table to show this.

Beads on Zoe's Bracelet

	Beads
Square	4
Oval	1
Heart	9

3. Use the information in the table to make a picture graph. Use a circle for each bead.

Beads on Zoe's Bracelet

Square	○	○	○	○						
Oval	○									
Heart	○	○	○	○	○	○	○	○	○	

4. Stretch Your Thinking Tell something the graph shows.

Possible answer: Most of Zoe's beads are heart beads.

5-10

Homework

Name _____

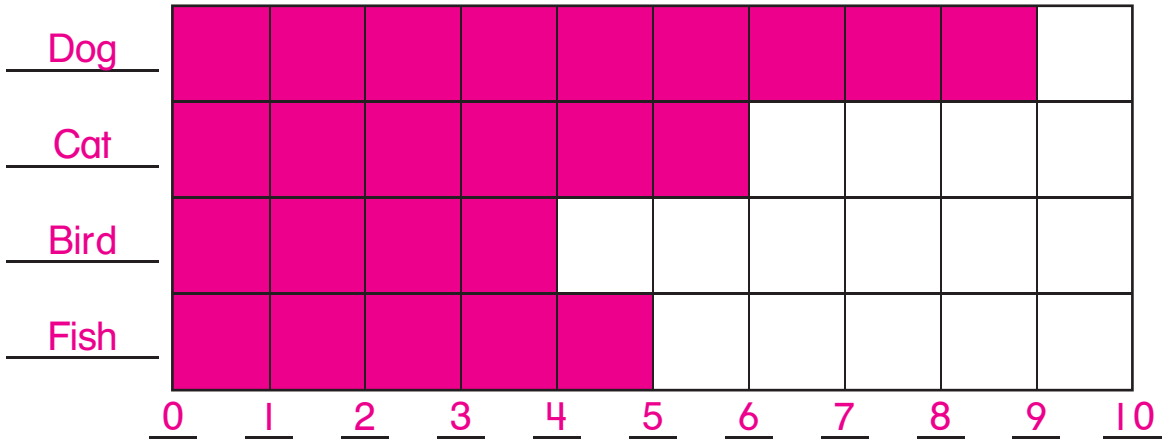
Ms. Morgan asked the children in her class which of these pets they liked best.

Which Is Your Favorite Pet?

Dog	○○○○○ ○○○○
Cat	○○○○○ ○
Bird	○○○○
Fish	○○○○○

1. Use the information in the table to make a bar graph.

Title: Which Is Your Favorite Pet?



2. Think about your favorite pet. How would the graph change if you added your own answer to the question?

Children should tell which bar will be 1 unit longer.

5-10 Name

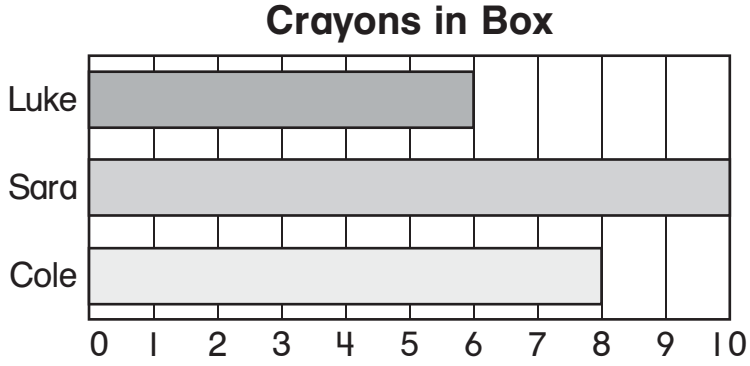
Remembering

Write how to count the money.

1. 

25¢ 35¢ 45¢ 55¢ 60¢ 65¢ 66¢ 67¢

Use the bar graph to solve the problems.



2. Five of Sara's crayons are new. The rest are old. How many crayons are old?

5 old crayons

3. Alexa has 3 more crayons than Luke. How many crayons does Alexa have?

9 crayons

4. **Stretch Your Thinking** Look at the bar graph. Explain what could change so that everyone has the same number of crayons.

Possible answer: Sara could give 2 crayons to Luke so they would each have 8 crayons.

6-1

Homework

Name _____

Count the hundreds, tens, and ones.
Write the totals.

1. 

1	9	8	Total 198
Hundreds	Tens	Ones	

2. 

4	5	9	Total 459
Hundreds	Tens	Ones	

Draw to show the numbers. Use boxes, sticks, and circles.

3.

2	4	3
Hundreds	Tens	Ones

4.

4	6	8
Hundreds	Tens	Ones

5.

3	8	2
Hundreds	Tens	Ones

6.

1	7	7
Hundreds	Tens	Ones

6-1 Name

Remembering

Add.

1.	2.	3.	4.	5.
43 + 28 = 71	65 + 17 = 82	35 + 28 = 63	52 + 38 = 90	47 + 29 = 76

Write <, >, or =.

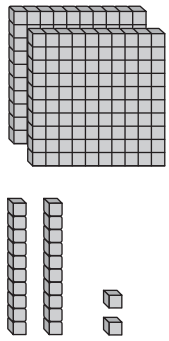
6. 153 < 181	7. 113 < 131
8. 56 < 104	9. 59 = 59
10. 84 > 48	11. 151 > 139

12. Write how to count the money.

25¢ 50¢ 75¢ 80¢ 85¢ 90¢ 91¢ 92¢

13. **Stretch Your Thinking** You have base ten blocks for 2 hundreds, 2 tens, and 2 ones. Write all of the different 3-digit numbers you could show.

100, 101, 102, 110, 111, 112, 120, 121, 122, 200, 201, 202, 210, 211, 212, 220, 221, 222



6-2

Homework

Name _____

Write the hundreds, tens, and ones.

1. 675 = 600 + 70 + 5
   H T O
2. 519 = 500 + 10 + 9
3. 831 = 800 + 30 + 1
4. 487 = 400 + 80 + 7
5. 222 = 200 + 20 + 2
6. 765 = 700 + 60 + 5

Write the number.

7. 300 + 40 + 6 = 346
   H T O
8. 100 + 60 = 160
9. 700 + 4 = 704
10. 200 + 50 + 3 = 253
11. 400 + 70 + 1 = 471
12. 800 + 80 + 8 = 888

Write the number that makes the equation true.

13. 435 = 30 + 5 + 400
14. 2 + 80 + 600 = 682
15. 860 = 60 + 800
16. 900 + 7 + 40 = 947
17. 354 = 300 + 4 + 50
18. 1 + 500 = 501
19. 729 = 20 + 9 + 700
20. 90 + 6 + 200 = 296

6-2 Name

Remembering

Add in any order. Write the total.

1. $8 + 1 + 4 =$ 13

2. $6 + 9 + 5 =$ 20

3. $7 + 4 + 3 =$ 14

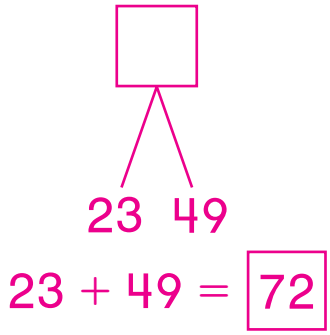
4. $8 + 3 + 2 =$ 13

Draw a Math Mountain to solve the word problem. Show how you add or subtract.

Show your work.
Check children's work.

5. There are 23 girls and 49 boys standing in line. How many children are standing in line?

72 children
label



6. Count the hundreds, tens, and ones. Write the total.

2 Hundreds 6 Tens 9 Ones Total 269

7. Stretch Your Thinking Write an addition equation. The equation must have a 1-, a 2-, and a 3-digit addend and use all of these digits.

6 6 2 2 8 8 0 0 0

Possible answers: 6 + 20 + 800 = 826,
8 + 20 + 600 = 628, 2 + 80 + 600 = 682

6-3

Homework

Name _____

Write <, >, or =.

1. 285 < 385	2. 452 > 425
3. 961 > 691	4. 199 < 205
5. 754 < 861	6. 738 > 694
7. 367 > 67	8. 274 = 274
9. 158 < 159	10. 106 > 99
11. 222 < 333	12. 73 < 511
13. 604 = 604	14. 138 > 136
15. 288 < 386	16. 207 > 197
17. 648 < 734	18. 549 < 559
19. 762 > 643	20. 709 < 810
21. 691 < 961	22. 802 = 802

6-3 Name

Remembering

Be the helper. Is the answer OK? Write *yes* or *no*.
If *no*, fix the mistakes and write the correct answer.

1. $28 + 34 = 62$ OK? Yes

2. $58 + 17 = 515$ OK? No
$58 + 17 = 75$

3. $45 + 26 = 61$ OK? No
$45 + 26 = 71$

Add up to solve the word problem. **Show your work.**

4. Allison has 67 beads. She uses some beads to make a necklace. Now she has 39 beads. How many beads did Allison use for her necklace?

Check children's work.

28 beads
label

Write the number.

5. $400 + 10 + 5 =$ 415

6. $800 + 7 =$ 807

7. Stretch Your Thinking Use the digits to write pairs of 3-digit numbers. Write <, >, or = to compare the pairs of numbers you write.

6 1 3 7 2 0

Possible answers:

672 > 130 207 < 316

720 > 613 120 < 736

6-4

Homework

Name _____

Count by ones. Write the numbers.

1. 396 397 398 399 400 401 402 403 404

2. 695 696 697 698 699 700 701 702 703

3. 498 499 500 501 502 503 504 505 506

4. 894 895 896 897 898 899 900 901 902

5. 796 797 798 799 800 801 802 803 804

Count by tens. Write the numbers.

6. 830 840 850 860 870 880 890 900 910

7. 470 480 490 500 510 520 530 540 550

8. 740 750 760 770 780 790 800 810 820

9. 380 390 400 410 420 430 440 450 460

10. 560 570 580 590 600 610 620 630 640

Write the number name.

11. 597 five hundred ninety-seven

12. 640 six hundred forty

6-4 Name

Remembering

Find the total or partner.

1.

4	9	7	13	16	18
+ 8	+ 6	+ 5	− 7	− 9	− 9
12	15	12	6	7	9

Solve the word problem. **Show your work.**

2. Cameron reads 57 pages on Monday and 85 pages on Tuesday. How many pages does he read in all?

142 pages

label

Write <, >, or =.

3. 675 (>) 657

4. 198 (<) 201

5. 86 (<) 124

6. 36 (=) 36

7. Stretch Your Thinking Natalie practices the piano every day. On Monday she practiced for 10 minutes. If she practices every day for 10 minutes,on which day of the week will she have practiced for 90 minutes? Explain.

Tuesday; I counted by tens for 9 days. I started on Monday and said the days of the week in order.

6-5

Homework

Name _____

Solve each word problem.

1. Maria blows up some balloons for a party. She divides them into 4 groups of one hundred and 7 groups of ten. There are 6 balloons left over. How many balloons does Maria blow up for the party?

476 balloons

label

2. Roger has 5 erasers. He buys 6 packages of one hundred and 2 packages of ten. How many erasers does Roger have altogether?

625 erasers

label

3. Add.

400 + 200 = 600	440 + 7 = 447	16 + 700 = 716
40 + 50 = 90	84 + 10 = 94	70 + 7 = 77
8 + 460 = 468	200 + 9 = 209	53 + 500 = 553
30 + 10 = 40	60 + 40 = 100	60 + 4 = 64
380 + 10 = 390	900 + 80 = 980	800 + 200 = 1,000

6-5 Name

Remembering

Look for shapes around you.

1. List or draw objects that show rectangles.

Answers or drawings will vary.
Possible answers: notebook, computer screen, placemat, picture frame

Solve the word problem. Draw a proof drawing if you need to. **Show your work.**

2. There are 200 people with tickets for the Fall Festival. A worker collects tickets from 62 of the people. How many tickets are still left to collect?

Check children's work.

138 tickets
label

Count by tens. Write the numbers.

3. 650 660 670 680 690 700 710 720 730

4. **Stretch Your Thinking** Brian has some boxes of paper clips. Some boxes hold 10 clips and some boxes hold 100. He has some paper clips left over. He has three more boxes with 100 paper clips than he has boxes with 10 paper clips. He has two fewer paper clips left over than he has numbers of boxes with 100 paper clips. What number of paper clips could he have?

Some possible answers: 412, 523, 967

6-6

Homework

Name _____

Solve each word problem.

1. Martin sells 58 tickets to the roller coaster ride. He sells 267 tickets to the boat ride. How many tickets does Martin sell altogether?

325 tickets
label

2. Justine jumps 485 times on a pogo stick. Then she jumps 329 times when she tries again. How many times does she jump altogether?

814 times
label

Add.

3. 18 + 549 = 567

4. 190 + 89 = 279

5. 76 + 570 = 646

6. 75 + 656 = 731

7. 348 + 162 = 510

8. 407 + 394 = 801

6-6 Name

Remembering

Add. Use any method.

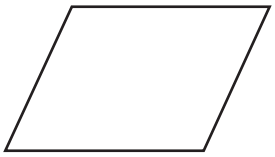
1. $\begin{array}{r} 53 \\ +\ 39 \\ \hline 92 \end{array}$

2. $\begin{array}{r} 45 \\ +\ 86 \\ \hline 131 \end{array}$

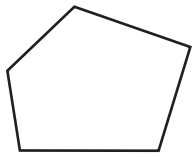
3. $\begin{array}{r} 75 \\ +\ 68 \\ \hline 143 \end{array}$

Label the shapes using the words in the box.

cube	quadrilateral	pentagon	hexagon

4. 

quadrilateral

5. 

pentagon

Add.

6. $300 + 70 =$ 370 $\quad 20 + 40 =$ 60 $\quad 8 + 650 =$ 658

7. **Stretch Your Thinking** Add a 3-digit number and a 2-digit number. Use the digits 5, 6, 7, and 8 to write the addition exercise. You can use a digit more than once. Find the sum.

Possible answer: 867 + 57 = 924

6-7

Homework

Name _____

Add. Use any method.

1. 459
+ 267
726

Make a new ten? Yes

Make a new hundred? Yes

Make a new thousand? No

2. 187 + 374 = 561

Make a new ten? Yes

Make a new hundred? Yes

Make a new thousand? No

3. 678
+ 15
693

Make a new ten? Yes

Make a new hundred? No

Make a new thousand? No

4. 635 + 92 = 727

Make a new ten? No

Make a new hundred? Yes

Make a new thousand? No

5. 390
+ 610
1,000

Make a new ten? No

Make a new hundred? Yes

Make a new thousand? Yes

6. 64 + 936 = 1,000

Make a new ten? Yes

Make a new hundred? Yes

Make a new thousand? Yes

6-7 Name

Remembering

Measure each vertical line segment below by marking and counting 1-cm lengths.

1. 

6 cm

2. 

3 cm

3. 

4 cm

Solve the word problem.

4. A man sells 275 circus tickets on Monday morning and 369 circus tickets on Monday afternoon. How many tickets does he sell on Monday?

644 tickets

label

5. **Stretch Your Thinking** Write an addition exercise with a sum of 1,000. Use two 3-digit addends. Choose addends so that you will need to make a new ten, a new hundred, and a new thousand when you add.

Many answers are possible. Possible answer:

715 + 285 = 1,000

6-8

Homework

Name _____

Solve each word problem. **Show your work.**

1. Angie has 648 stickers. 254 of the stickers are cat stickers. The rest are dog stickers. How many dog stickers does Angie have?

394 dog stickers

label

2. Billy has 315 coins. 209 of the coins are silver in color. How many coins are not silver in color?

106 coins

label

3. Noah is going to plant 752 seeds. Some of the seeds are flower seeds. 547 of the seeds are vegetable seeds. How many flower seeds will Noah plant?

205 flower seeds

label

4. Heather's dad is reading a book that is 564 pages long. So far he has read 286 pages. How many pages does he have left to read?

278 pages

label

6-8 Name

Remembering

Make a ten to find the total.

1. $7 + 6 =$ 13

2. $8 + 7 =$ 15

3. $8 + 9 =$ 17

Write the time in two different ways.

4. 

5 o'clock

5:00

5. 

8 o'clock

8:00

6. 

10 o'clock

10:00

Add. Use any method.

7.
$$\begin{array}{r} 357 \\ +\ 585 \\ \hline 942 \end{array}$$

Make a new ten? Yes

Make a new hundred? Yes

Make a new thousand? No

8. $249 + 751 =$ 1,000

Make a new ten? Yes

Make a new hundred? Yes

Make a new thousand? Yes

9. **Stretch Your Thinking** Explain how to solve for an unknown addend.

Use the Adding Up method. Add to the next ten and hundred, then add to the known sum. The amount that was added up is the unknown addend.

6-9

Homework

Name _____

Solve the word problems. Use your favorite method. Make a proof drawing.

1. Ricardo likes olives. He has 100 olives. He eats 43 of them. How many olives does he have left?

57 olives
label

2. Dawn has 1,000 pennies in her penny jar. She gives some to her sister. Now she has 432 left. How many pennies does Dawn give to her sister?

568 pennies
label

3. Tory sells hockey sticks to teams in her city. She has 500 and sells 353. How many hockey sticks does she have left to sell?

147 hockey sticks
label

4. Randy collects magnets. Over two years he collects 400 magnets. He collects 125 magnets the first year. How many does he collect the second year?

275 magnets
label

6-9 Name

Remembering

Add.

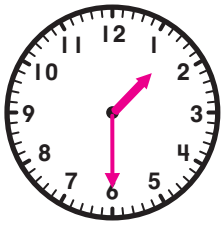
1. $5 + 6 = \underline{11}$ $7 + 9 = \underline{16}$ $100 + 35 = \underline{135}$

$50 + 60 = \underline{110}$ $70 + 90 = \underline{160}$ $10 + 35 = \underline{45}$

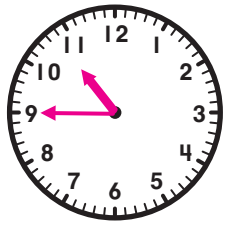
$1 + 35 = \underline{36}$

Draw hands on each clock to show the time.

2. 

3. 

4. 

5. 

4:10 1:30 7:15 10:45

Solve the word problem.

6. The school has 537 children. 359 of the children had lunch. How many children still need to have lunch?

178 children

label

7. **Stretch Your Thinking** How is subtracting from a 3-digit number different from subtracting from a 2-digit number?

Possible answer: When you subtract from a 3-digit number you can ungroup hundreds and tens. When you subtract from a 2-digit number you can only ungroup tens.

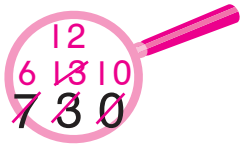
6-10

Homework

Name _____

Decide if you need to ungroup. If you need to ungroup, draw a magnifying glass around the top number. Then find the answer. Children's ungroupings may vary.

1.



Ungroup to get 10 ones? Yes

Ungroup to get 10 tens? Yes

2.

Ungroup to get 10 ones? Yes

Ungroup to get 10 tens? No

3.

Ungroup to get 10 ones? Yes

Ungroup to get 10 tens? Yes

4.

Ungroup to get 10 ones? Yes

Ungroup to get 10 tens? Yes

5.

Ungroup to get 10 ones? Yes

Ungroup to get 10 tens? Yes

6. 502 − 149 = 353

Ungroup to get 10 ones? Yes

Ungroup to get 10 tens? Yes

6-10 Name

Remembering

Use the picture graph to answer the questions.

Crayons

Paige									
Tawana									
Colin									

1. Who has the most crayons? Paige

2. Who has the fewest crayons? Tawana

3. How many crayons do they all have together?

16 crayons
label

Solve the word problem. Use your favorite method.
Make a proof drawing.

4. There are 500 craft sticks in the box.
The art class uses 386 of the craft sticks.
How many craft sticks are left?

114 craft sticks
label

---

5. **Stretch Your Thinking** When you are subtracting from a 3-digit number, how do you know if you will need to ungroup?

If there are more tens or ones in the number you are subtracting than there are in the number you are subtracting from, then you will need to ungroup.

6-11

Homework

Name _____

Decide if you need to ungroup. If you need to ungroup, draw a magnifying glass around the top number. Then find the answer. Children's ungroupings may vary.

1.

$$\begin{array}{r} 5\,3\,1 \\ -\,4\,3\,4 \\ \hline 9\,7 \end{array}$$

Ungroup to get 10 ones? Yes

Ungroup to get 10 tens? Yes

2.

$$\begin{array}{r} 5\,7\,9 \\ -\,2\,9\,6 \\ \hline 2\,8\,3 \end{array}$$

Ungroup to get 10 ones? No

Ungroup to get 10 tens? Yes

3.

$$\begin{array}{r} 3\,9\,1 \\ -\,2\,6\,5 \\ \hline 1\,2\,6 \end{array}$$

Ungroup to get 10 ones? Yes

Ungroup to get 10 tens? No

4. $238 - 177 =$ 61

Ungroup to get 10 ones? No

Ungroup to get 10 tens? Yes

5. Latoya's class picks 572 apples on a field trip. They bring 386 apples home with them. How many apples do they leave?

186 apples

label

6. Elena had 735 stickers. She gives 427 stickers to her brother. How many stickers does she have left?

308 stickers

label

6-11 Name

Remembering

Subtract.

1.	2.	3.	4.	5.
61 − 25 = 36	85 − 34 = 51	93 − 24 = 69	52 − 23 = 29	91 − 54 = 37

Read the picture graph.
Write the number. Ring *more* or *fewer*.

Number of Marbles

Ling	
Sean	
Maya	

6. Sean has [5] (*more*) *fewer* marbles than Ling.

7. Maya needs [3] (*more*) *fewer* marbles to have as many marbles as Sean.

Decide if you need to ungroup. If you need to ungroup, draw a magnifying glass around the top number. Then find the answer. Children's ungrouping may vary.

8.
$$\begin{array}{r} {}^{5}\not{8}\,{}^{13}\not{6}\,3 \\ -\ 2\,4\,5 \\ \hline 6\,1\,8 \end{array}$$

Ungroup to get 10 ones? Yes

Ungroup to get 10 tens? No

9. Stretch Your Thinking Write and solve a subtraction exercise in which you need to ungroup two times. Answers will vary.

6-12

Homework

Name _____

Decide if you need to ungroup. If you need to ungroup, draw a magnifying glass around the top number. Then find the answer. Children's ungroupings may vary.

1.

$$\begin{array}{r} 2\ 10 \\ 6\not{3}\not{0} \\ -\ 3\ 1\ 8 \\ \hline 3\ 1\ 2 \end{array}$$

Ungroup to get 10 ones? Yes

Ungroup to get 10 tens? No

2.

$$\begin{array}{r} 12 \\ 8\ \not{2}\ 11 \\ \not{9}\not{3}\not{1} \\ -\ 8\ 4\ 5 \\ \hline 8\ 6 \end{array}$$

Ungroup to get 10 ones? Yes

Ungroup to get 10 tens? Yes

3.

$$\begin{array}{r} 3\ 10 \\ \not{4}\not{0}\ 7 \\ -\ 2\ 7\ 4 \\ \hline 1\ 3\ 3 \end{array}$$

Ungroup to get 10 ones? No

Ungroup to get 10 tens? Yes

4.

$$\begin{array}{r} 4\ 9\ 8 \\ -\ 2\ 7\ 6 \\ \hline 2\ 2\ 2 \end{array}$$

Ungroup to get 10 ones? No

Ungroup to get 10 tens? No

5. Jamal has 590 craft sticks. He uses 413 craft sticks to make a building. How many craft sticks does he have left?

177 craft sticks

label

6. On Saturday, 290 people go to the roller skating rink. 184 of them are adults. How many are children?

106 children

label

6-12 Name

Remembering

Under each picture, write the total amount of money so far. Then write the total using $.

1.

100¢	25¢	1¢	1¢
			
100¢	125¢	126¢	127¢

$ 1.27 (total)

Make a drawing. Write an equation. Solve.

2. Jiao has some beads. Then she buys 35 more beads. Now she has 73 beads. How many beads did Jiao start with?

Drawings and equations will vary.

38 beads (label)

Decide if you need to ungroup. If you need to ungroup, draw a magnifying glass around the top number. Then find the answer. Children's ungrouping may vary.

3.
$$\begin{array}{r} {}^{4}\cancel{5}\,{}^{12}\cancel{3}\,{}^{17}7 \\ -\ 1\,6\,8 \\ \hline 3\,6\,9 \end{array}$$

Ungroup to get 10 ones? Yes

Ungroup to get 10 tens? Yes

4. **Stretch Your Thinking** What 3-digit number would need no ungrouping to subtract from? Explain.

999; there are no digits greater than 9 to make you need to ungroup.

6-13

Homework

Name _____

Decide if you need to add or subtract. Use the opposite operation to check your answer.

1. $184 + 433 = 617$

$617 - 433 = 184$

2. $552 - 399 = 153$

$153 + 399 = 552$

3. $328 - 119 = 209$

$209 + 119 = 328$

4. $288 + 294 = 582$

$582 - 294 = 288$

5. $967 - 548 = 419$

$419 + 548 = 967$

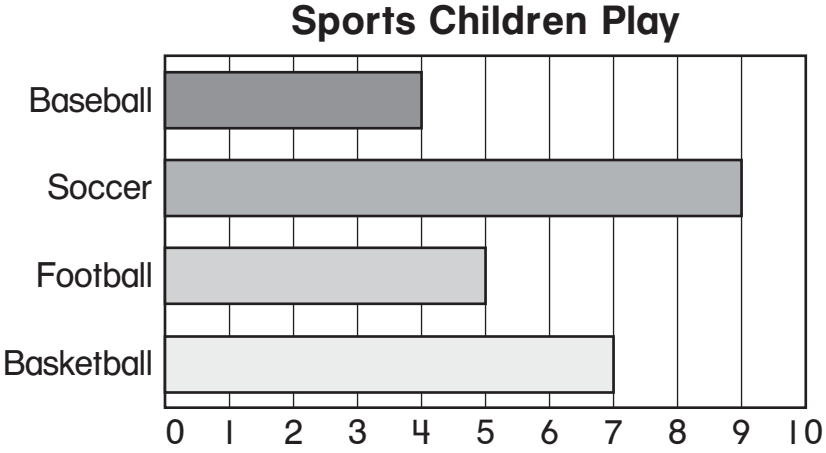
6. $474 - 355 = 119$

$119 + 355 = 474$

6-13 Name

Remembering

Use the bar graph to complete the sentences.



1. Four fewer children play ___football___ than soccer.

2. Eleven children play ___baseball___ or ___basketball___.

Decide if you need to ungroup. If you need to ungroup, draw a magnifying glass around the top number. Then find the answer. Children's ungrouping may vary.

3.
$$\begin{array}{r} {}^{1}\cancel{4}{}^{1}\cancel{2}\cancel{7} \\ -\ 159 \\ \hline 268 \end{array}$$

Ungroup to get 10 ones? ___Yes___

Ungroup to get 10 tens? ___Yes___

4. **Stretch Your Thinking** Explain why you can check subtraction by adding.

Possible answer: When you subtract, you take away one addend (partner) from the total to get the other addend (partner). So, when you add the addends (partners) together, you should get the total.

6-14

Homework

Name _____

Solve each word problem.

1. Mario buys 98 plastic cups. He gives 29 to the art teacher. How many cups does he have left?

69 cups

label

2. Joel collects baseball cards. He has 568 cards. Then he buys 329 more at a yard sale. How many cards does he have now?

897 cards

label

3. A bird collects 392 sticks to build a nest. Then the bird collects 165 more. How many sticks does the bird collect?

557 sticks

label

4. There are 765 books in the school library. 259 are paperback, and the rest are hardcover. How many hardcover books are there in the school library?

506 hardcover books

label

6-14 Name

Remembering

Make a drawing. Write an equation. Solve the problem.

Drawings and equations may vary.

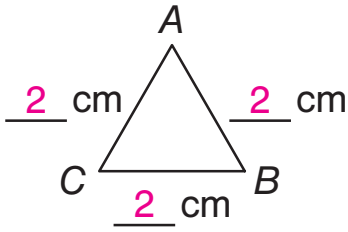
1. There are some children in the class. 8 are girls and 9 are boys. How many children are in the class?

17 children

label

Estimate and then measure each side.
Then find the distance around the triangle.

2.



a. Complete the table.

Side	Estimate	Measure
AB	Estimates	2 cm
BC	may	2 cm
CA	vary.	2 cm

b. Find the distance around the triangle.

2 cm + 2 cm + 2 cm = 6 cm

Decide if you need to add or subtract. Use the opposite operation to check your answer.

3.
$$\begin{array}{r} 683 \\ -\ 145 \\ \hline 538 \end{array} \qquad \begin{array}{r} 538 \\ +\ 145 \\ \hline 683 \end{array}$$

4.
$$\begin{array}{r} 257 \\ +\ 369 \\ \hline 626 \end{array} \qquad \begin{array}{r} 626 \\ -\ 369 \\ \hline 257 \end{array}$$

5. **Stretch Your Thinking** Write and solve a subtraction word problem with an answer greater than 500 pennies.

Possible answer: Lee has 831 pennies in her jar. She spends 269 of those pennies. How many pennies are left? 562 pennies

6-15

Homework

Name _____

The table shows the number of children who take part in different after school activities.

Use the table to solve the word problems. **Show your work.**

After School Activities	
Activity	**Number of Children**
Art Club	378
Music Lessons	205
Sports	204
Dance Class	105
Science Club	217

1. One hundred seventeen girls take music lessons after school. How many boys take music lessons?

88 boys

label

2. How many fewer children signed up for music and dance than signed up for the art club?

68 fewer children

label

3. Write a word problem using data from the table. Solve the problem.

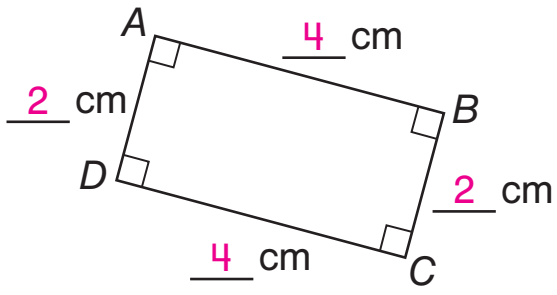
Children's word problems will vary.

6-15 Name

Remembering

Estimate and then measure each side.
Then find the distance around the rectangle.

1.



a. Complete the table.

Side	Estimate	Measure
AB	Estimates	4 cm
BC	may	2 cm
CD	vary.	4 cm
DA		2 cm

b. Find the distance around the rectangle.

4 cm + 2 cm + 4 cm + 2 cm = 12 cm

Solve the word problem.

2. The store has 374 CDs. A box with 258 CDs arrives at the store. How many CDs does the store have now?

632 CDs

label

---

3. **Stretch Your Thinking** Fill in the digits to complete the addition exercise.

$$\begin{array}{r} 1\ \boxed{8}\ 4 \\ +\ \boxed{2}\ 6\ \boxed{7} \\ \hline 4\ 5\ 1 \end{array}$$

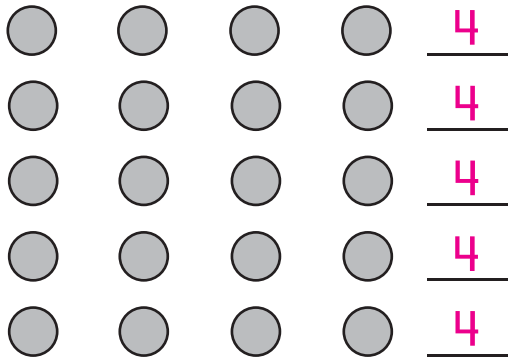
7-1

Homework

Name _____

Write how many in each row and in each column.
Then write two equations for each array.

1.



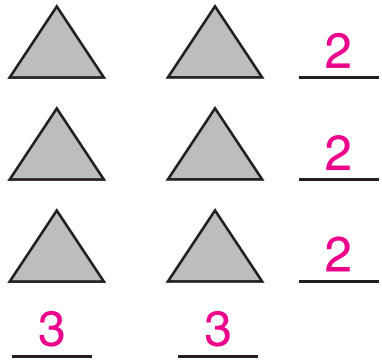
4
4
4
4
4

5 5 5 5

$4 + 4 + 4 + 4 + 4 = 20$

$5 + 5 + 5 + 5 = 20$

2.



2
2
2

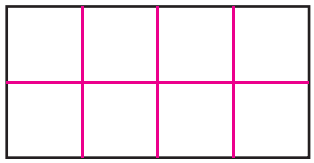
3 3

$2 + 2 + 2 = 6$

$3 + 3 = 6$

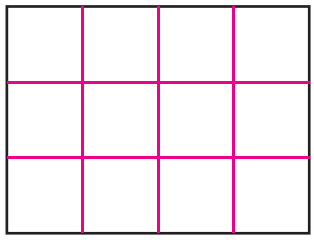
Measure in centimeters. Draw rows and columns.
Write the number of small squares.

3.



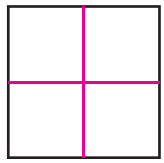
8 squares

4.



12 squares

5.



4 squares

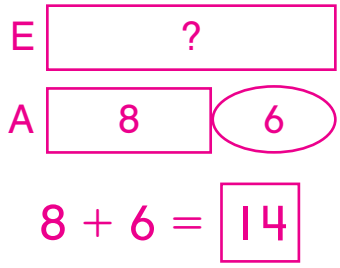
7-1 Name

Remembering

Make a matching drawing or draw comparison bars.
Solve the problem.

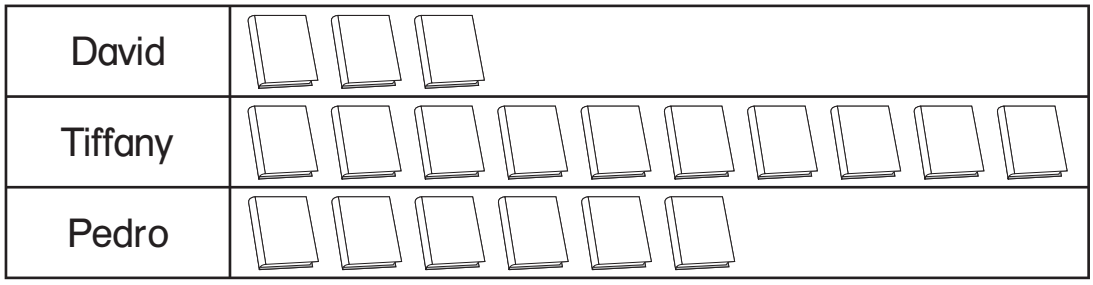
1. Al has 8 grapes. Erin has 6 more grapes than Al. How many grapes does Erin have?

14 grapes
label



Read the picture graph.
Write the number. Ring *more* or *fewer.*

Number of Books



2. Tiffany has 7 (*more*) *fewer* books than David.

3. Pedro has 4 *more* (*fewer*) books than Tiffany.

Count by tens. Write the numbers.

4. 650 660 670 680 690 700 710 720 730

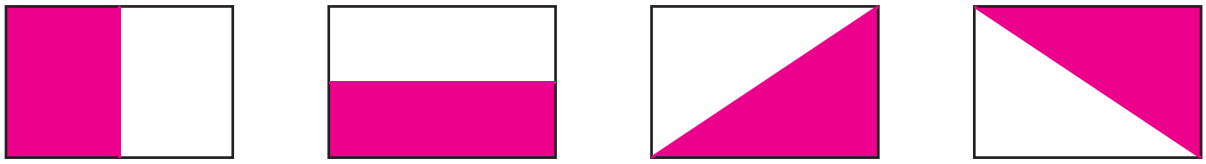
5. **Stretch Your Thinking** Draw three different arrays that show 12.
Drawings will vary. Check children's work.

7-2

Homework

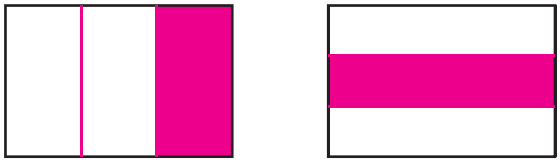
Name _____

1. Make 2 halves. Show different ways.
Shade half of each rectangle.



Children may shade either half.

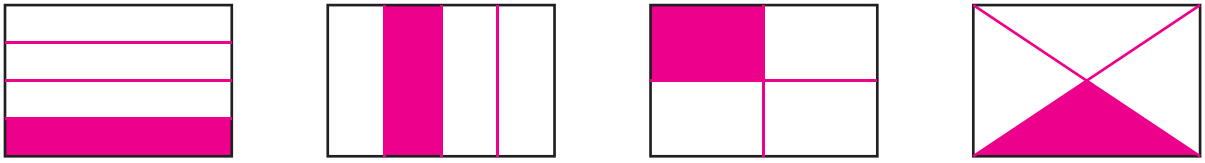
2. Make 3 thirds. Show different ways.
Shade a third of each rectangle.



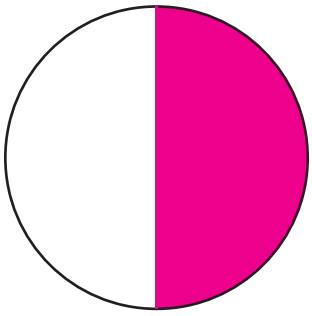
Children may shade any third.

3. Make 4 fourths. Show different ways.
Shade a fourth of each rectangle.

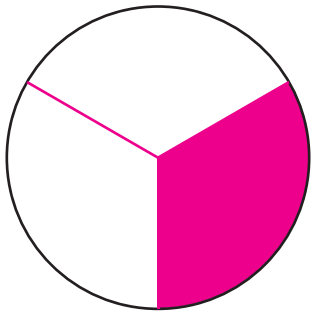
Answers may vary. Possible answers are shown. Children may shade any fourth.



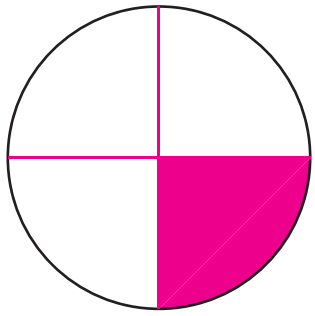
4. Make 2 halves.
Shade half of
the circle.



5. Make 3 thirds.
Shade a third of
the circle.



6. Make 4 fourths.
Shade a fourth of
the circle.



Children may shade any equal share.

7-2 Name

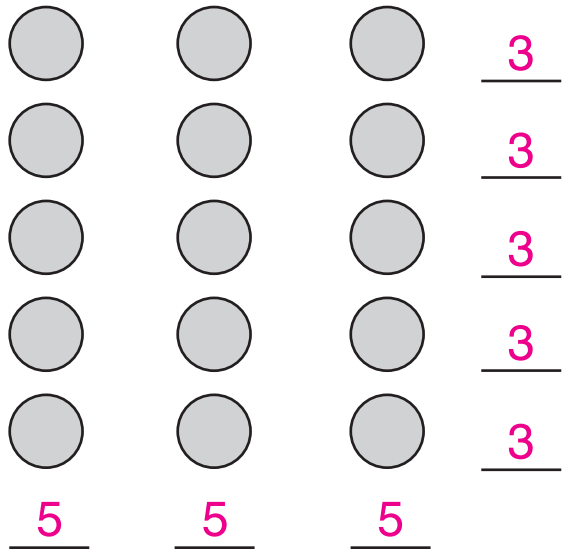
Remembering

Add.

1.	2.	3.	4.	5.
73 + 19 = 92	53 + 46 = 99	68 + 23 = 91	27 + 35 = 62	46 + 39 = 85

Write how many in each row and in each column.
Then write two equations for each array.

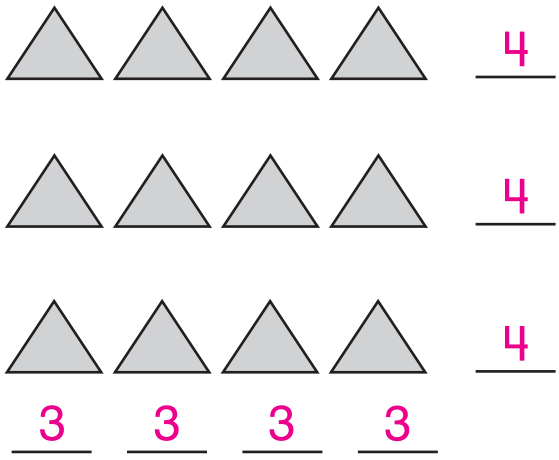
6.



3 + 3 + 3 + 3 + 3 = 15

5 + 5 + 5 = 15

7.

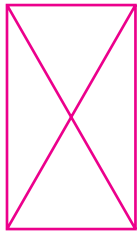


4 + 4 + 4 = 12

3 + 3 + 3 + 3 = 12

8. Stretch Your Thinking Draw a rectangle. Show 4 fourths that are all the same-size triangles, but not all the same shape.

Possible answer:



7-3

Homework

Name _____

Solve. **Show your work.**

1. Becky's garden is 21 meters wide. Jerry's garden is 17 meters wide. How much wider is Becky's garden than Jerry's garden?

4 meters

unit

2. Hannah's painting is 39 inches long. She adds 12 inches to it. How long is the painting now?

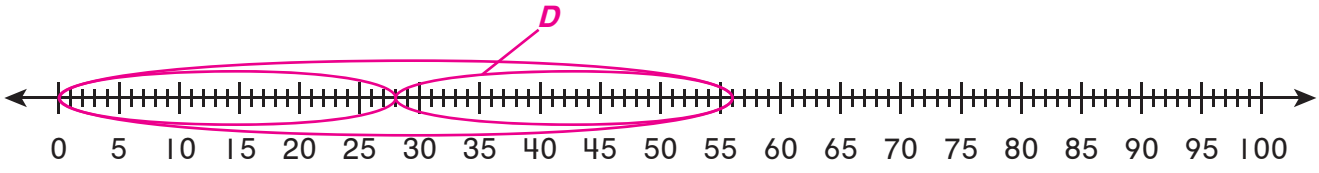
51 inches

unit

Use the number line diagram to add or subtract.

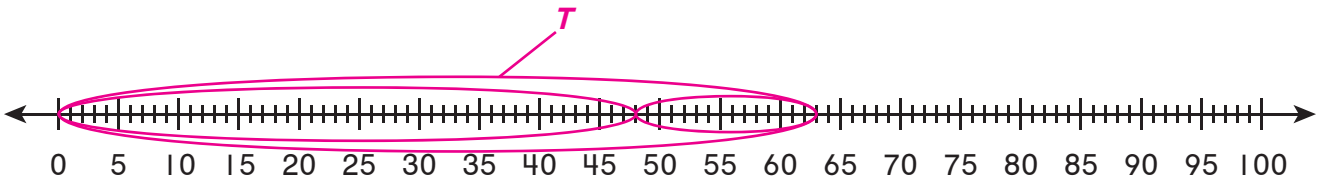
3. Loop 28 and 56. Loop the difference *D*.

How long is it? 28 units



4. Loop 48. Add 15 to it. Loop the total *T*.

How long is it? 63 units



7-3 Name

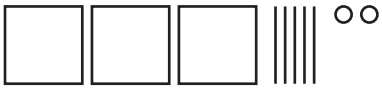
Remembering

Add.

1. 14 + 46 + 62 + 39 = 161

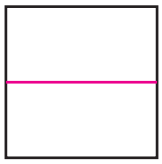
2. Count the hundreds, tens, and ones.

Write the total.



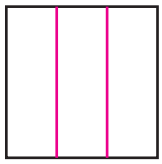
3 Hundreds 5 Tens 2 Ones Total 352

3. Make 2 halves.

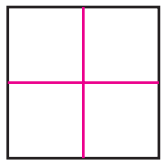


Possible solutions shown.

4. Make 3 thirds.



5. Make 4 fourths.



6. Stretch Your Thinking Write a subtraction word problem that has the answer *6 feet*.

Possible answer: Sharon's garden is 17 feet long.

Ricky's garden is 11 feet long. How many feet

longer is Sharon's garden than Ricky's garden?

6 feet

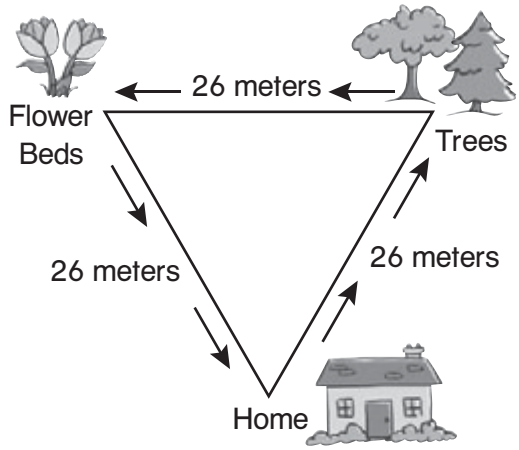
7-4

Homework

Name _____

Solve. **Show your work.**

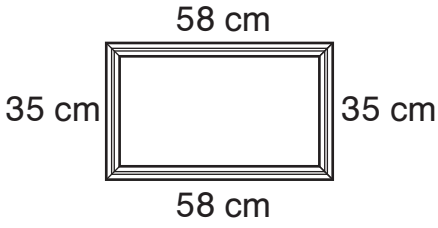
1. Here is the path Fluffy took on her walk today. How many meters did she walk?



78 meters

unit

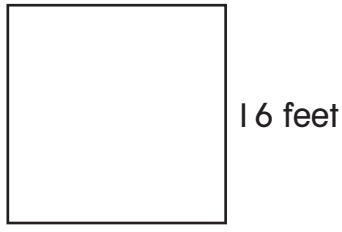
2. Colin wants to decorate a picture frame with gold ribbon. How long should the ribbon be if he wants to put ribbon around the whole frame?



186 cm

unit

3. Here is a top view drawing of the new sandbox for the park. Each side is 16 feet long. A border runs along the edge. How long is the border?



64 feet

unit

7-4 Name

Remembering

Subtract.

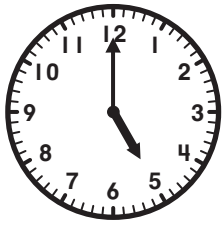
1.	2.	3.
200 − 41 = 159	200 − 55 = 145	200 − 87 = 113

Write the time in two different ways.

4. 

1 o'clock

1:00

5. 

5 o'clock

5:00

6. 

9 o'clock

9:00

Solve. **Show your work.**

7. Jen's paper is 30 cm long. She cuts 12 cm from the bottom of the paper. How long is her paper now?

18 centimeters

unit

8. Stretch Your Thinking Michael has a triangle-shaped flower bed. The distance around the flower bed is 58 feet. What could be the length of each side?

Answers will vary. Possible answer: 24 feet, 24 feet, and 10 feet

7-5

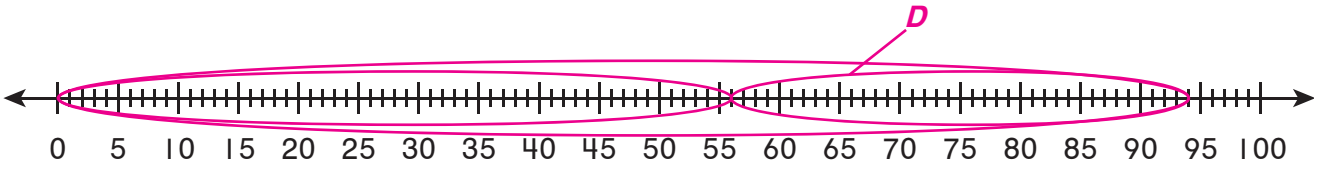
Homework

Name _____

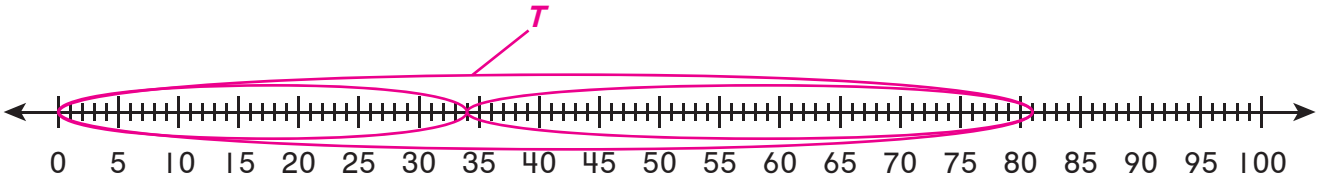
Represent each equation on the number line diagram.
Then find the difference or the total.

Order of inside loops may vary.

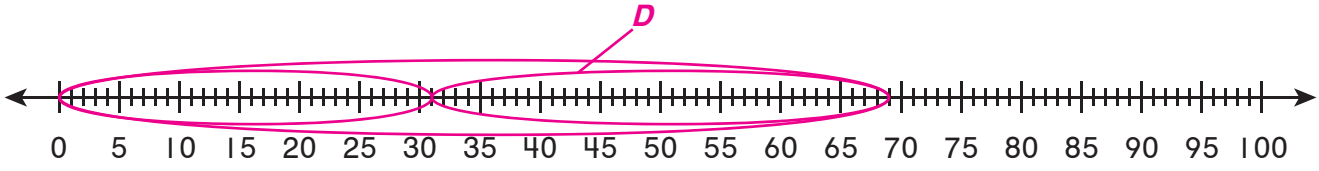
1. $56 + \boxed{38} = 94$



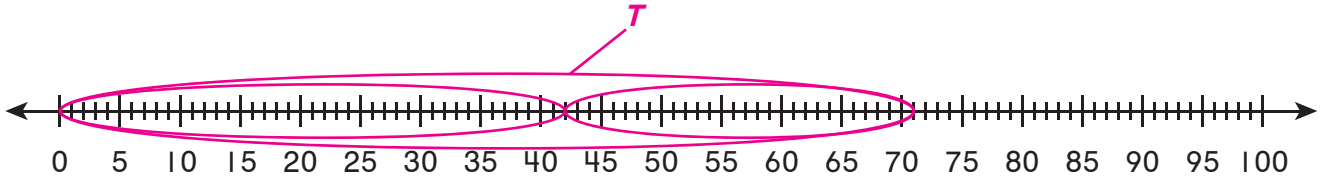
2. $34 + 47 = \boxed{81}$



3. $\boxed{38} + 31 = 69$



4. $42 + 29 = \boxed{71}$



7-5 Name

Remembering

Solve. Rewrite the 100 or make a drawing. Add to check your answer.

Show your work.

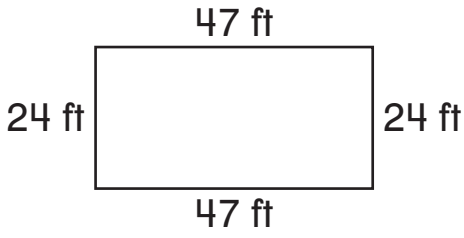
1. Brian sees 100 cars in the parking lot. 36 of the cars leave. How many cars are still in the parking lot?

64 cars

label

Solve.

2. Mr. Kensey is putting a fence around his garden. How much fencing will he need if he wants to put a fence around the whole garden?

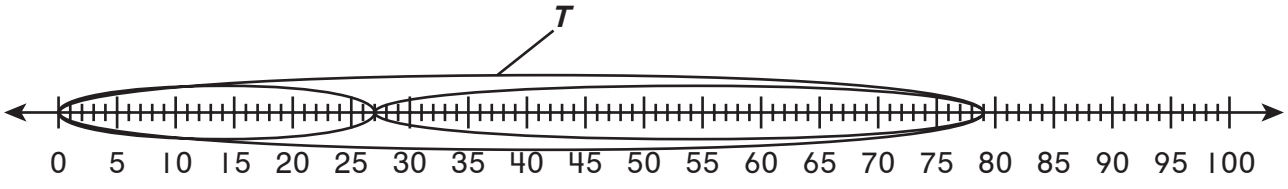


142 feet

unit

3. **Stretch Your Thinking** What equation is shown by this number line?

27 + 52 = 79

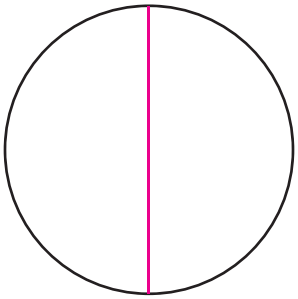


7-6

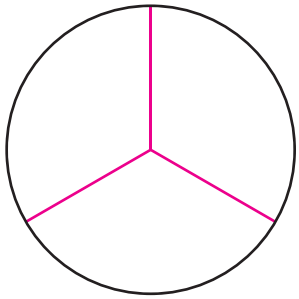
Homework

Name _____

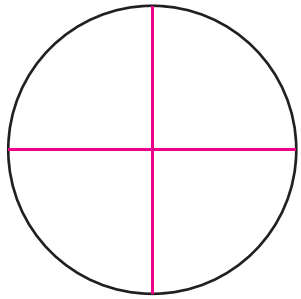
1. Show 2 halves.



2. Show 3 thirds.



3. Show 4 fourths.



Roberto, Niko, and Maya each buy a pizza.
All their pizzas are the same size.

- Roberto cuts his pizza into 2 equal parts.
- Niko cuts his pizza into 3 equal parts.
- Maya cuts her pizza into 4 equal parts.

4. Roberto eats 2 halves and Maya eats 4 fourths.
Do they eat the same amount? Explain.

Yes. Two halves make one whole pizza and 4 fourths make one whole pizza. They both eat their whole pizza.

5. Is half of Roberto's pizza greater than, less than, or equal to a third of Maya's pizza? Explain.

Half of Roberto's pizza is greater than a third of Maya's pizza. The fewer pieces there are, the larger each piece is.

7-6 Name

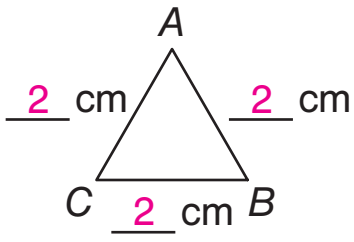
Remembering

Subtract.

1. $\begin{array}{r} 73 \\ -\ 45 \\ \hline 28 \end{array}$
2. $\begin{array}{r} 91 \\ -\ 37 \\ \hline 54 \end{array}$
3. $\begin{array}{r} 68 \\ -\ 34 \\ \hline 34 \end{array}$
4. $\begin{array}{r} 83 \\ -\ 18 \\ \hline 65 \end{array}$
5. $\begin{array}{r} 50 \\ -\ 37 \\ \hline 13 \end{array}$

Estimate and then measure each side.
Then find the distance around the triangle.

6.



a. Complete the table.

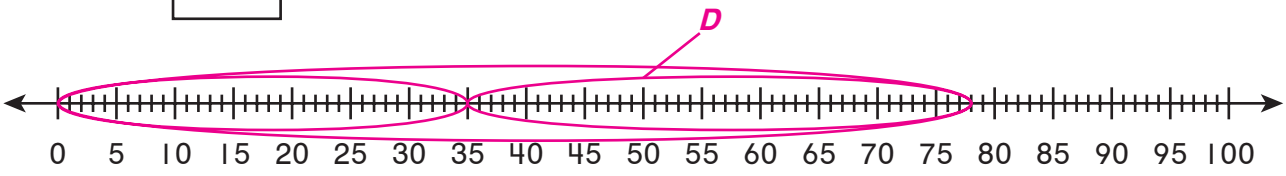
Side	Estimate	Measure
AB	Estimates	2 cm
BC	may	2 cm
CA	vary.	2 cm

b. Find the distance around the triangle.

2 cm + 2 cm + 2 cm = 6 cm

Show the equation on the number line diagram.
Then find the difference or the total.

7. $35 + \boxed{43} = 78$



8. **Stretch Your Thinking** Dennis and Tami each make a pizza. Both pizzas are the same size and shape. Dennis eats 4 pieces. Tami eats 2 pieces. Could they each have eaten the same amount? Explain.

Yes. Dennis could have cut his pizza into 4 pieces and Tami could have cut her pizza into 2 pieces. Then they would each eat the same amount.