

82	-60		+65		-41		+17		+14	
----	-----	--	-----	--	-----	--	-----	--	-----	--

Name: _____

Challenge Math

Book 1

59
+19
-7
+24
+16
-2
-25

+8
-40
-11
-5
+56
-15
70
-53

Pick 25 to do: Skip 2 pages.

<input type="checkbox"/> page 1	<input type="checkbox"/> page 7	<input type="checkbox"/> page 13	<input type="checkbox"/> page 19	<input type="checkbox"/> page 25
<input type="checkbox"/> page 2	<input type="checkbox"/> page 8	<input type="checkbox"/> page 14	<input type="checkbox"/> page 20	<input type="checkbox"/> page 26
<input type="checkbox"/> page 3	<input type="checkbox"/> page 9	<input type="checkbox"/> page 15	<input type="checkbox"/> page 21	<input type="checkbox"/> page 27
<input type="checkbox"/> page 4	<input type="checkbox"/> page 10	<input type="checkbox"/> page 16	<input type="checkbox"/> page 22	
<input type="checkbox"/> page 5	<input type="checkbox"/> page 11	<input type="checkbox"/> page 17	<input type="checkbox"/> page 23	
<input type="checkbox"/> page 6	<input type="checkbox"/> page 12	<input type="checkbox"/> page 18	<input type="checkbox"/> page 24	



Start on the square. Draw exactly 9 lines without picking up your pencil to connect all the circles.

	-18		+38		-64		+28		+33	
--	-----	--	-----	--	-----	--	-----	--	-----	--

Name: _____

Use any of these digits. Cross off a digit after you use it.

8 9 7 4 1 1 5 0

Make the largest number that you can that is greater than 8,175 but is less than 9,140.

Use any of these digits. Cross off a digit after you use it.

3 7 1 5 1 0 0 8 9 8

What is the smallest number greater than 336,500 that you can make from these digits?

Name: _____

David left school early at 1:15 p.m. He had to visit his uncle who lives an hour and a half away. What time should he get to his uncle's house?

Show your work.

Name: _____

Fill in the missing numbers.

Only rule - The same number CAN NOT be next to each other, in ANY direction.

Dark lines surround a block. Numbers to use in a block:

A block with 1 space has to be the number 1.

A block with 2 spaces must have the numbers 1 and 2.

A block with 3 spaces must have the numbers 1, 2, and 3.

A block with 4 spaces must have the numbers 1, 2, 3, and 4.

		1	4	1
		2	3	2
1	4	1	4	1
3	2	3	2	3

An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

1 4 2 3

1	4	2	3	2
2	3	1	4	1
1	4	2	3	2
				1

An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

1 3 4 2

2	1	4	
4			1
2	1	4	3
4		2	1

Hint - These numbers are missing:

3 2 3 3

	3	2	4
2	4	1	3
	3		4
	4	1	3

Hint - These numbers are missing:

1 2 2 1

$3 + 6 = \square$

$9 - 8 = \square$

$4 + 3 = \square$

$8 - 7 = \square$

Name: _____

Each row, column, and box must have the numbers 1 through 4.

		4	
	2		
3			
			4

Each row, column, and box must have the numbers 1 through 6.

		3	5		
1		5		6	
5				1	
6				4	
					2



Write this number using words.

$$\begin{array}{r} 3 \\ 4 \\ + 72 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 7 \\ + 50 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ - 13 \\ \hline \end{array}$$

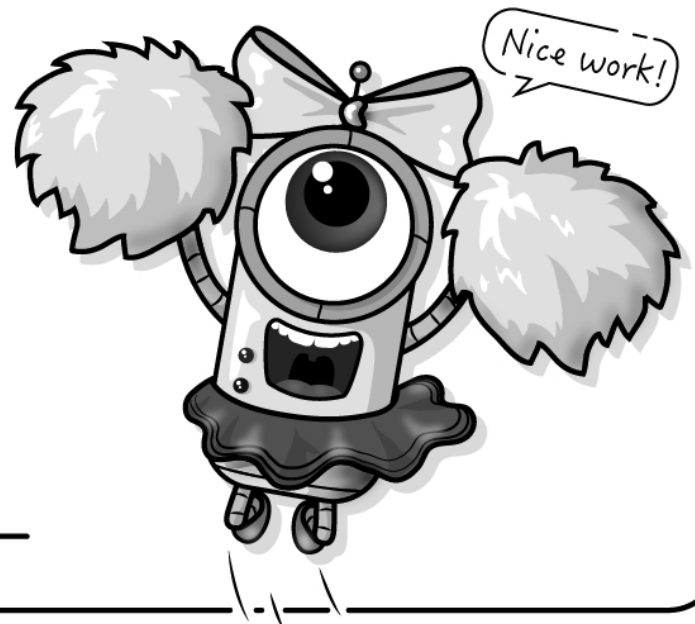
word root **scrib** can mean **write****scribble, scribe**

Name: _____



Play a game online!

edHelper.com/math-games.htm



I PLAYED
ONE
GAME

MY SCORE

(Check the box after you play.)

$6 + 5 - 5 + 5$

Write an odd number.

Write this number:
8 thousands, 9 ones, 3 tens

2 less than 842

E, _____, O, T, Y

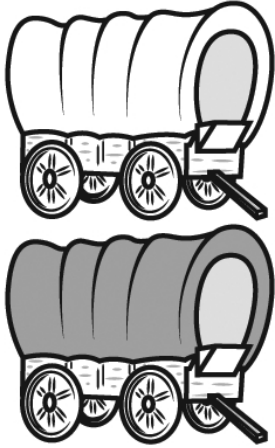
	3	4	9
+		9	9
<hr/>			

$61 + 5 = \underline{\hspace{2cm}}$

$17 + \square = 20$

$11 + \square = 18$

Name: _____



The Jackson and Smithe families are heading West. They can move in any direction- vertically, horizontally, or diagonally. With each move they must skip over one square and land on the next. They can't land on the squares with cacti. Fill in the blank squares below to complete each path.

139	20		19	23	121	34	40	17	35	6	24
	12	27	4	33	28	13	22	37	16		15
132	31	32	36	18		39	41	8	30	42	47
138	52	1	43	26	56	25	29	70	51	14	57
131		60	55	71	53	44	7	54	63	66	62
	64	48	68	46	5	72	50	45	59	79	75
140	85	80	49	83	65	95		69	21	67	
129	81		86	96	93	89	94	10	87	74	84
126	97	76	98	73	102	88	101	92	105	82	100
	11	103	111	90	104	91	61	108	99	106	107
134	110	123	114	124	117	116	112	115	113	118	109
119	120		128		122	135	136	125	133		127



1

89



14

74

10



138

96

135



13

70

45

106



33

26

91

135



72

103

91

108





I did page 7

I decided to skip this page
edHelper

Name: _____

Get a fidget spinner! Spin it.

I needed to spin _____ time(s) to finish.

$$\begin{array}{r}
 24 \\
 + 10 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 11 \\
 + 10 \\
 \hline
 \end{array}$$

Wendy loves reading. She read 2 books this month. She plans to read 8 more. How many books will she read this month?

Write the numbers.

eight _____

thirteen _____

twenty _____

$$\begin{array}{r}
 19 \\
 - 2 \\
 \hline
 \end{array}$$

8, _____, 12, 14, 16, 18,
20, 22, 24, 26

h, D, W, h, D,
_____, h, D, W, h, D,
W

L, N, K, M, J, L, I, K,
H, J, _____, I

A two-digit odd number has a 1 in the tens place. The sum of the ones and tens digits is 6. What is the number?

42, 48, 54, 60, 66,
_____, 78

double 500

5 less than 375



I did page 8

I decided to skip this page
edHelper

Name: _____

Spin again.

I needed to spin _____ time(s) to finish.

$$\begin{array}{r} 3 \\ + 7 \\ \hline \end{array}$$

twenty-three minus six equals

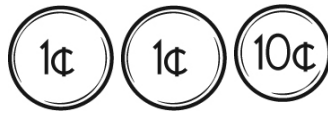
$$\begin{array}{r} 14 \\ - 1 \\ \hline \end{array}$$

Write these numbers in order from smallest to largest.

17, 40, 104, 20, 10

____, _____, _____, _____,

How much is this?



28, 29, 30, _____, _____, 33,
_____, 35, 36, _____, _____,
_____, _____

5, 7, _____, 11, 13, 15

double 40

Circle the number that is smallest.

2,002 2,020

2,200

If you know
 $88 + 22 = 110$

Then what is $88 + 20$?

Make your own equation.

____ + 6 = ____

Make your own equation.

____ - 6 = ____

Name: _____

Use any of these digits. Cross off a digit after you use it. You do not need to use all of the numbers.

8

5

5

Make a subtraction equation. The difference between your numbers should be 0.

$$\underline{\quad} - \underline{\quad} = 0$$

Use any of these digits. Cross off a digit after you use it. You do not need to use all of the numbers.

8

1

7

6

Complete the equation.

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = 14$$

Use any of these digits. Cross off a digit after you use it. You do not need to use all of the numbers.

9

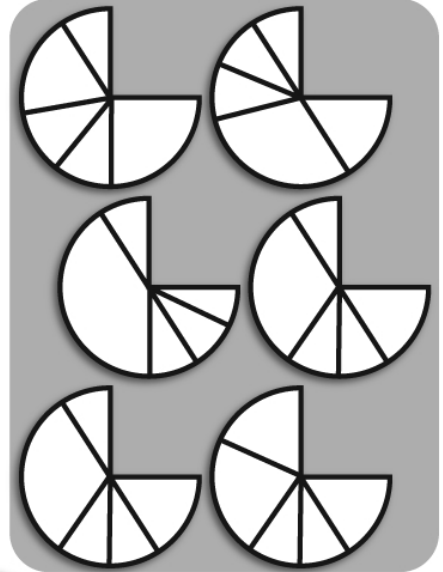
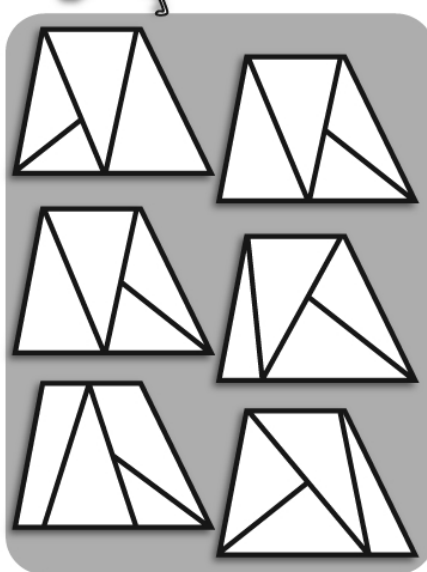
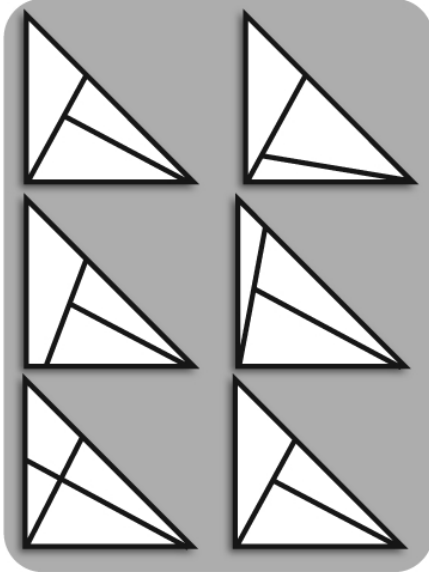
8

9

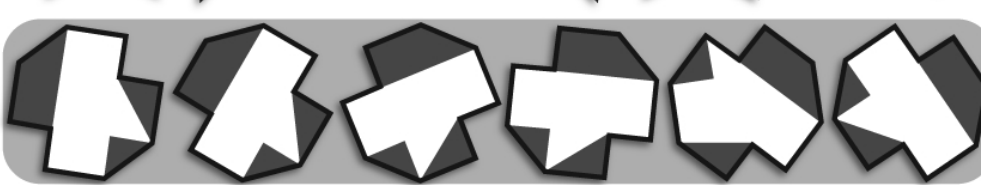
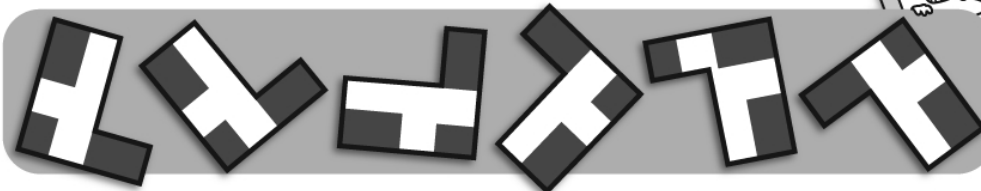
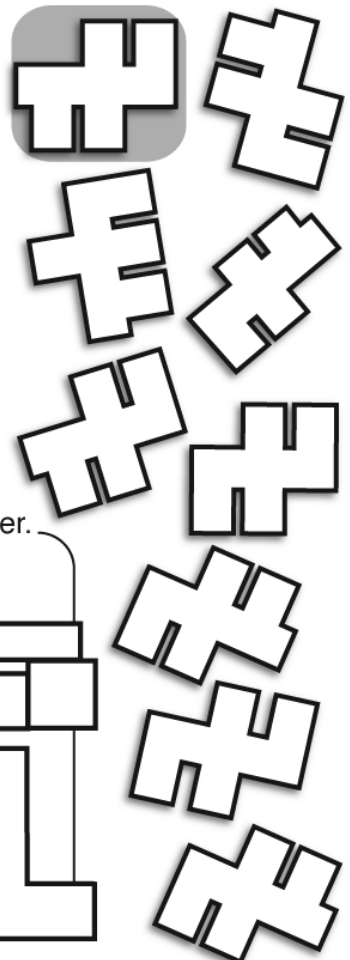
Make a subtraction equation. The difference between your numbers should be 0.

$$\underline{\quad} - \underline{\quad} = 0$$

Name: _____

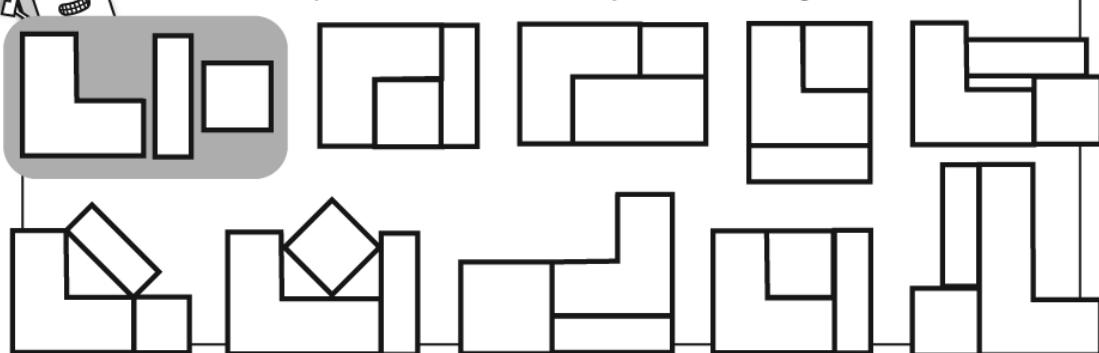
Circle the two figures that
are the same in each group. Fun with Figures!

Cross out the figure that does not match in each group.

Cross out the figures
that are not **congruent**
(the same shape and size).

Circle the figures that can be formed by joining the three shapes together.

★The shapes can rotate, but they cannot change size.★



Name: _____

Find 2 equations hidden in each box. Good luck!

$8 - 1$

$9 - 7$

4

8

7

0

1

$9 - 9$

Write 2 equations: _____

$6 + 4$

$9 + 9$

$8 + 9$

18

14

$3 + 0$

$8 + 7$

$5 + 8$

$6 + 8$

$4 + 3$

6

8

Write 2 equations: _____

1

4

$7 - 3$

3

5

$9 - 2$

$7 - 5$

$5 - 2$

Write 2 equations: _____

Name: _____

Mental break. Time to use a pencil for this more challenging page. Good luck!

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.

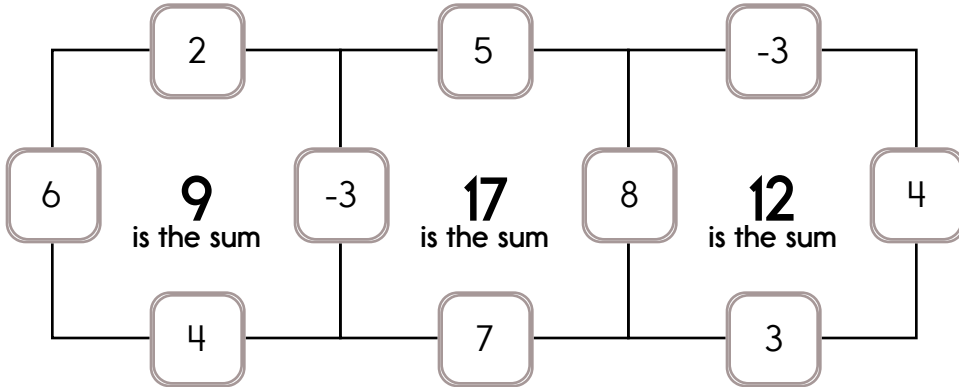
Example:

$$6 + 2 + 4 - 3 = 9$$

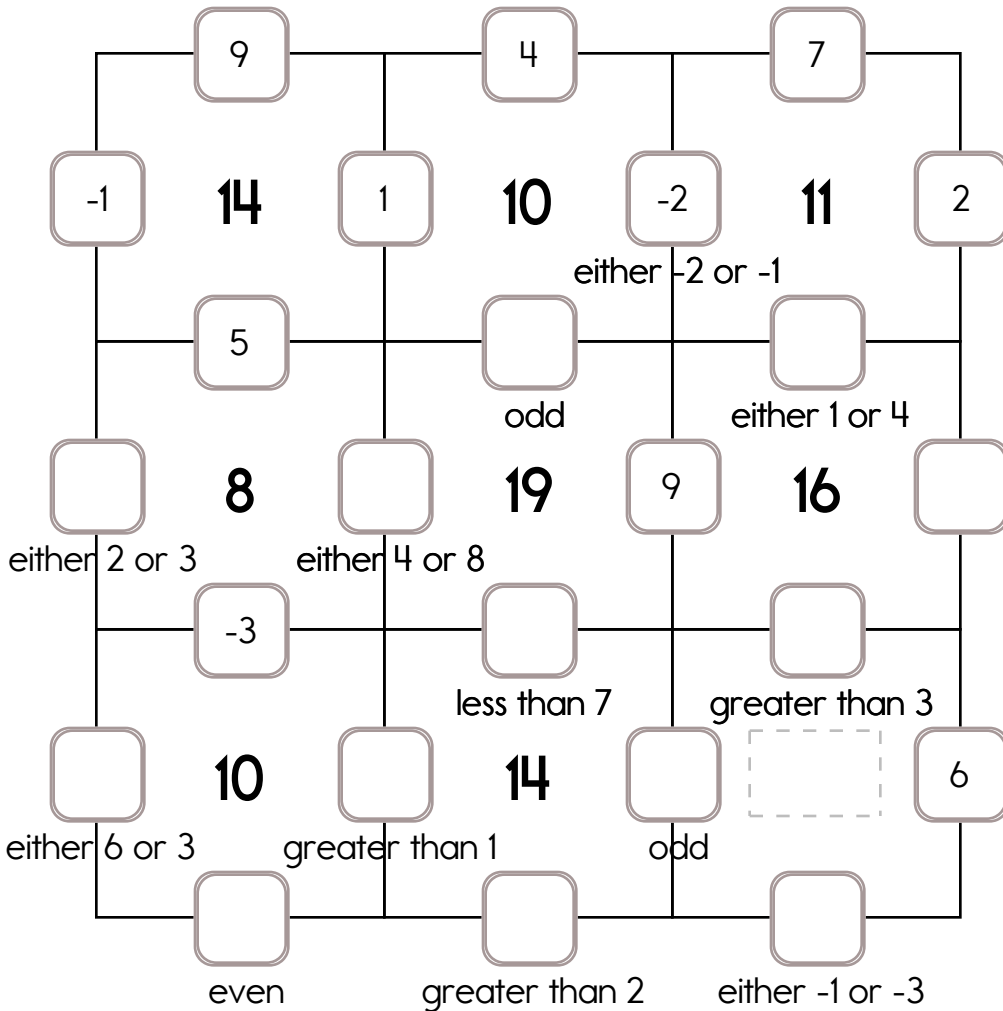
Example:

$$8 + 4 + 3 - 3 = 12$$

Sample:



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: -1, -2, or -3. The other three numbers have to all be DIFFERENT and must be from these: 1, 2, 3, 4, 5, 6, 7, 8, or 9.



Name: _____

Draw a line to match each problem with the same answer.

$$\begin{array}{r} 72 \\ + 86 \\ \hline \end{array}$$

•

•

$$\begin{array}{r} 97 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 71 \\ + 59 \\ \hline \end{array}$$

•

•

$$\begin{array}{r} 51 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ + 53 \\ \hline \end{array}$$

•

•

$$\begin{array}{r} 71 \\ + 72 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ + 81 \\ \hline \end{array}$$

•

•

$$\begin{array}{r} 47 \\ + 58 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ + 51 \\ \hline \end{array}$$

•

•

$$\begin{array}{r} 81 \\ + 77 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ + 69 \\ \hline \end{array}$$

•

•

$$\begin{array}{r} 48 \\ + 57 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ + 55 \\ \hline \end{array}$$

•

•

$$\begin{array}{r} 55 \\ + 18 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ + 46 \\ \hline \end{array}$$

•

•

$$\begin{array}{r} 77 \\ + 68 \\ \hline \end{array}$$

$$\begin{array}{r} 137 \\ - 38 \\ \hline \end{array}$$

It is 7:49 when Erin leaves her house. She arrives at school at 8:08. How much time has passed?

$$\begin{array}{r} 359 \\ + 90 \\ \hline \end{array}$$

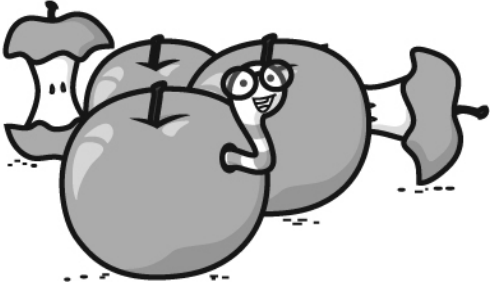
$8 + 4 = \square$

$7 + 5 = \square$

$6 - 1 = \square$

$8 - 5 = \square$

Name: _____



An apple tree had a lot of apples. I say "had" because half of the apples it "had" had fallen to the ground. Do you see them?

How many apples were on this tree before any fell to the ground?

Show your work.

Name: _____

Ready to make equations? There is a missing equation in each box.

Circle the numbers once you find it!

A

21	57	99	
+	41	97	54
	28	75	73

Find an
addition fact.

B

96	35	53	
+	86	55	71
	25	26	74

Find an
addition fact.

C

78	52	46	
+	28	73	35
	37	32	33

Find an
addition fact.

Equations:

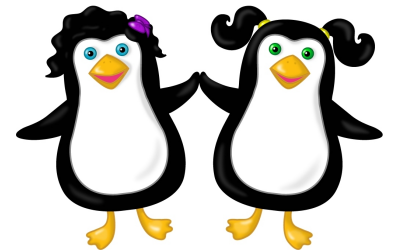
Write the equation facts you found.

A	21	+	54	=	75
B		+		=	96
C		+		=	78

Justin has 83¢. He wants to buy a baseball that costs \$1.14. How much more money does he need?

$90 + 5 = \underline{\hspace{2cm}}$

$15 + \boxed{\hspace{1cm}} = 17$



$$\begin{array}{r} 64 \\ - 11 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ - 20 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ - 40 \\ \hline \end{array}$$

$$\begin{array}{r} 91 \\ - 50 \\ \hline \end{array}$$

$$\begin{array}{r} 59 \\ - 20 \\ \hline \end{array}$$

$14 + \boxed{\hspace{1cm}} = 25$

$4 + \boxed{\hspace{1cm}} = 6$

$6 + \boxed{\hspace{1cm}} = 15$

$7 + \boxed{\hspace{1cm}} = 12$

$4 + \boxed{\hspace{1cm}} = 13$

$4 + \boxed{\hspace{1cm}} = 17$

Name: _____

Mental break. Time to use a pencil for this more challenging page. Good luck!

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.

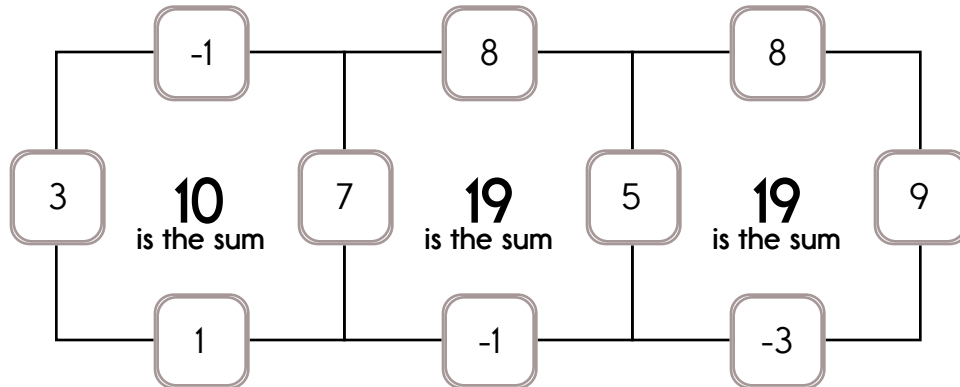
Example:

$$3 + 7 + 1 - 1 = 10$$

Example:

$$5 + 9 + 8 - 3 = 19$$

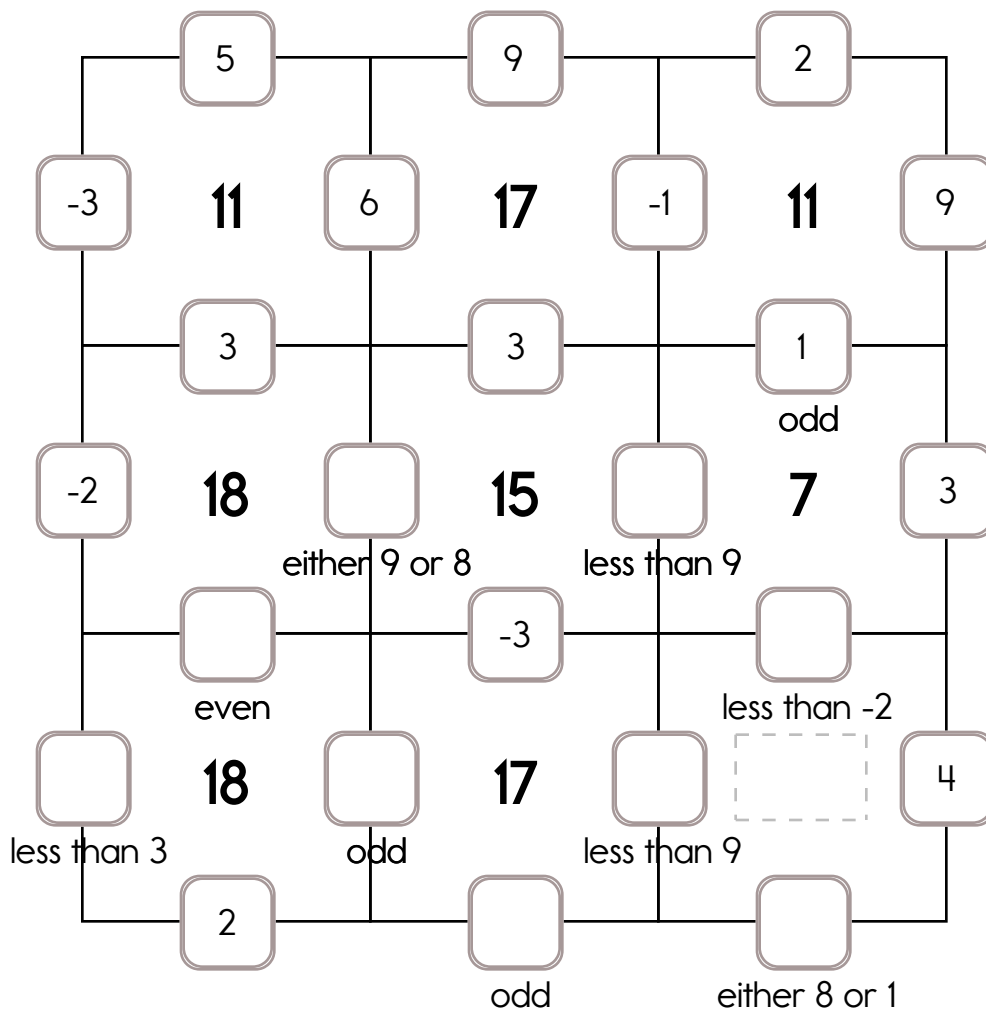
Sample:



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers: -1, -2, or -3.

The other three numbers have to all be DIFFERENT and must be from these: 1, 2, 3, 4, 5, 6, 7, 8, or 9.



Name: _____

Emily likes playing piano and video games and watching videos. She just doesn't like to PRACTICE playing the piano!

"Everything you like to do has video in it," jokes her brother.

"Look who's talking," smirks Emily.

"Emily and Jack, there will be no video games, videos on your computer, or videos ever if you don't finish practicing your instruments," yelled their dad. "Remember our family rule. For every minute you practice, you earn two minutes of free time to do whatever you want. You can even watch the paint dry if you'd like!"

Emily wrote down 9:51 and started practicing her piano. She practiced for a while till her dad interrupted again, "Are you playing? Awfully quiet."

She played one song 10 times, another song 5 times, and finally the last song 4 times. "Done," Emily whispered to herself. It was 10:23.

How much time did she earn to watch videos (or play videos, or do whatever she wants)?

Show your work.

Name: _____

CHALLENGE YOUR CLASSMATES!

(OR SIBLING OR PARENT)

Play against someone!



edhelper.com/math-games.htm

Pick your grade. Then play to challenge someone else.



Date played:

Whom I challenged:

Who won?

Explain what you learned from one math problem you got wrong.



Make your own equation.

___ + 9 = ___

55, _____, 65, 70, 75,
80, 85, 90

Circle the number that is smallest.

6,600 6,006

6,060

Name: _____

**FUN
BREAK!**

Play a game online!

edHelper.com/math-games.htm**I PLAYED
ONE
GAME**(Check the
box after
you play.)**MY SCORE**



3 more than 453

Round 66 to the nearest 10.

48, _____, 56, 60, 64,
68If you know
 $86 + 17 = 103$
Then what is $86 + 15$?How many hours are there
from 5 a.m. to 11 p.m.?Find a clock. What time is it
right now?

$11 - 9 = \square$

$13 - 9 = \square$

$8 + 3 = \square$

$5 + 1 = \square$

Name: _____

Complete each pattern, using the same rule. Write what the rule is.

9, 8, 8, 8, 8, 9, 8, 8, 8, 8, 9, 8, 8,

8, 8, 8, 8, 9, 8, 8, 8, 8, 8, 8, _____, _____, _____

1, 3, 3, 3, 3, 1, 3, 3, 3, 3, 3, 1, 3, 3,

3, 3, 3, 3, 1, 3, 3, 3, 3, 3, _____, _____, _____, _____

Find the missing numbers. These both have the same rule. What is the rule?

If

$1, 7 = 8$

$2, 12 = 14$

$3, 17 = 20$

$4, 21 = 25$

Then

$5, 23 = ?$

If

$5, 7 = 12$

$6, 9 = 15$

$7, 11 = 18$

$8, 13 = 21$

Then

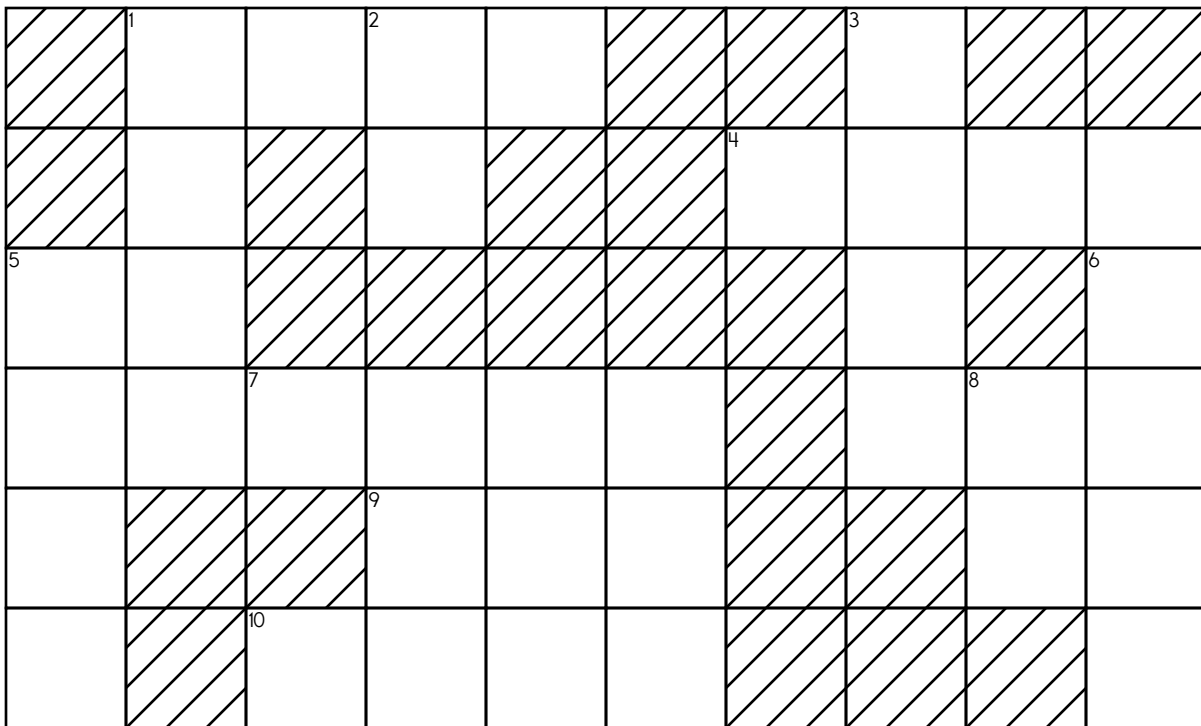
$9, 17 = ?$

Name: _____

ACROSS**DOWN**

- the tens in 2-Down + the ones in 8-Down + the thousands in 6-Down + the hundreds in 5-Down
- the thousands in 1-Down + the tens in 6-Down + the hundreds in 1-Across
- the tens in 8-Down + the ones in 1-Across + the thousands in 6-Down + the hundreds in 5-Down
- the ones in 8-Down + the hundreds in 10-Across + the tens in 7-Across
- the tens in 1-Across + the hundreds in 5-Down + the thousands in 7-Across

- the ones in 7-Across + the tens in 2-Down + the thousands in 6-Down
- $9 + 12$
- the hundreds in 10-Across + the ones in 1-Down + the tens in 8-Down + the thousands in 7-Across
- eight thousand, nine hundred twenty-four**
- the ones in 8-Down + the tens in 2-Down + the thousands in 5-Down
- $9 + 19$

Write **sm** or **pl** to complete each word.

_____ anet _____ ease

_____ all _____ ile

twelve

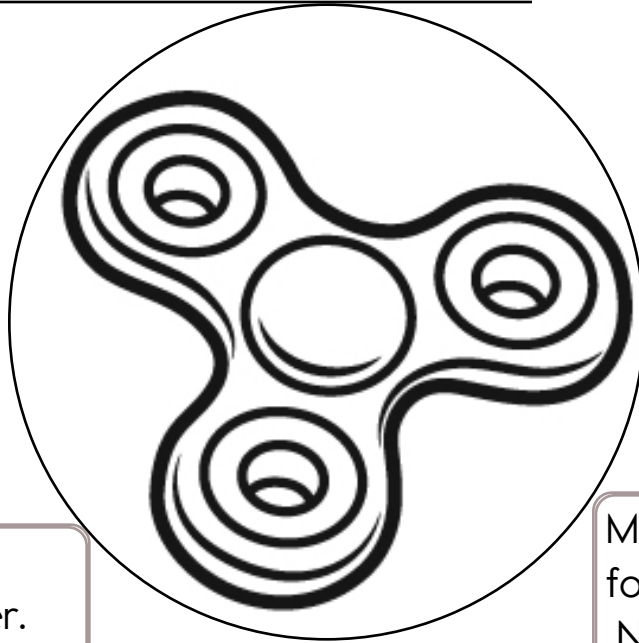
 $300+10+7$ Which number has a 6
in the ones place?
 376 763 673
 $8 + 14 =$ _____
 4 10 22

2:00 a.m. to 10:00 a.m.

 1 hour 6 hours

 3 hours 8 hours

Name: _____



How many times
do you need to spin?

I needed to spin _____
time(s) to finish the page.

The weather was beautiful in September. Jane took 7 long walks the first week in September and 5 long walks the second week in September. How many more long walks did Jane take the first week than the second week?

Jackson has 5 new pants for the start of school and 10 new shirts for the start of school. How many more shirts does he have than pants?

Millie made 24 cupcakes for the first day of school. Nora made 14 cookies for the first day of school. How many more cupcakes were there than cookies?

For the Labor Day barbecue, Mom made 15 hamburgers and 5 hot dogs. How many more hamburgers than hot dogs did Mom make?

On the last day of summer vacation, Trent had friends to his house. They swam 2 hours in the morning and 4 hours in the afternoon. How many hours did they swim in all?

There were 10 lunch boxes on the first table and 10 lunch boxes on the second table. How many lunch boxes were there in all?

It was Collect Rocks Day. Bob collected 30 rocks. Ann collected 20 rocks. How many more rocks did Bob collect than Ann?

Name: _____

Fill in the blanks.

$$8 + 8 + 8 = 8 \times \underline{\quad}$$

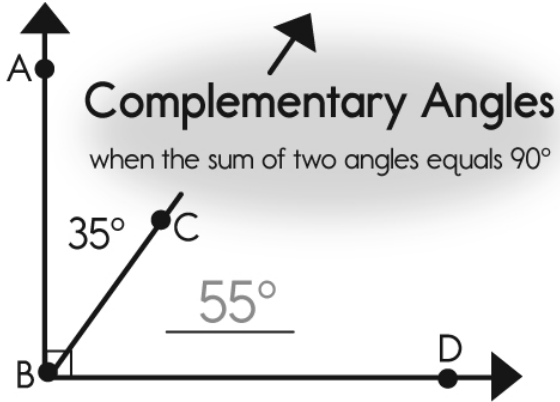
$$5 + 5 + 5 + 5 + 5 = 5 \times \underline{\quad}$$

$$2 + 2 + 2 + 2 + 2 + 2 = 2 \times \underline{\quad}$$

$$6 + 6 + 6 = 6 \times \underline{\quad}$$

Jessica is putting together goodie bags for her birthday party. She invited 7 friends, and everyone can come except for Erin. At the party store, she bought 17 mini chocolate bars. She wants to give everyone an equal number of mini chocolate bars. How many should she put into each goodie bag?

Name: _____



Complementary Angles

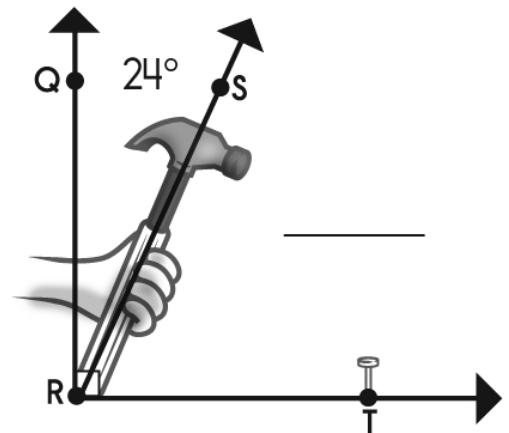
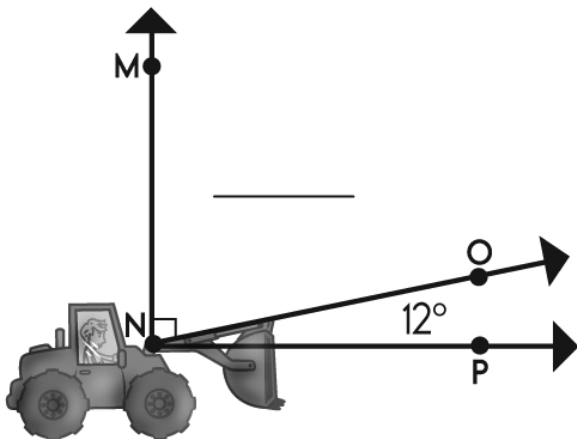
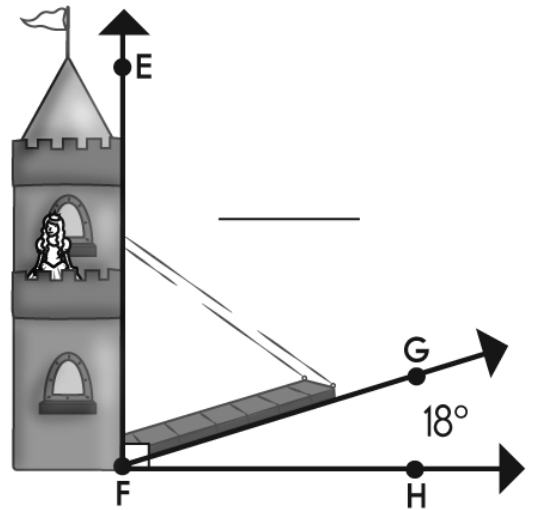
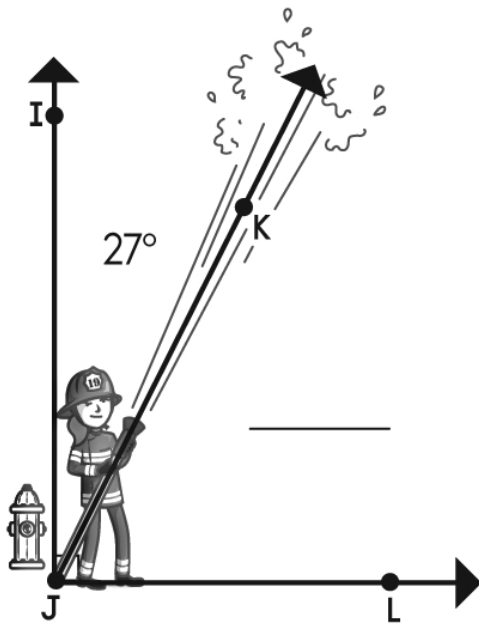
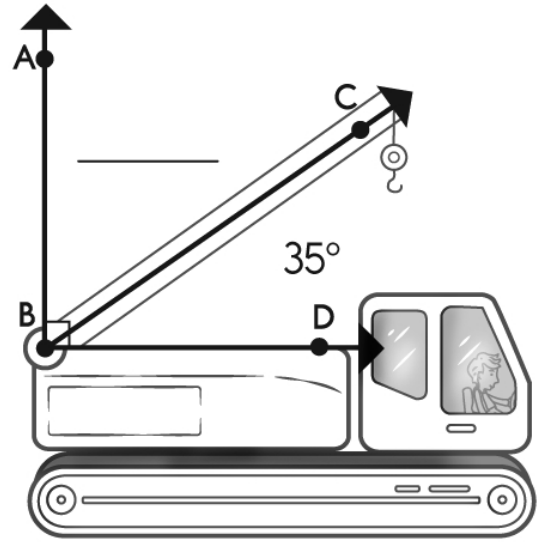
when the sum of two angles equals 90°

$$\angle ABC = 35^\circ$$

$$\angle CBD = 55^\circ$$

$$35^\circ + 55^\circ = 90^\circ$$

Find the complement of each angle.

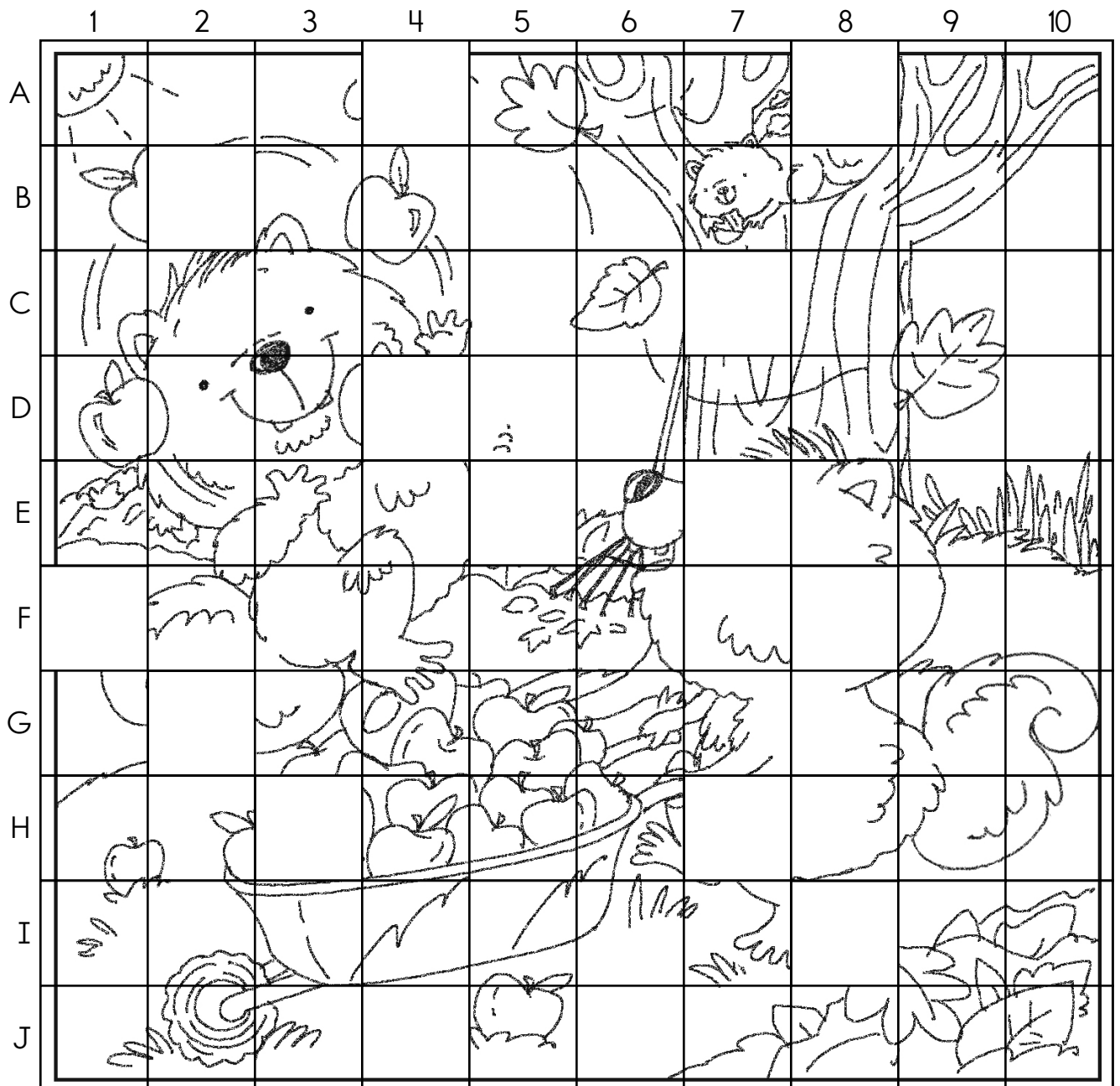
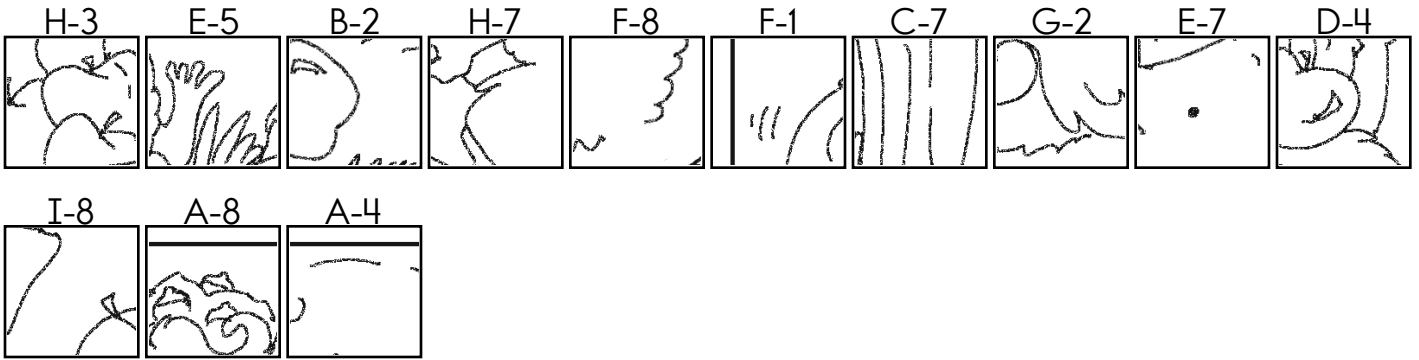


I did page 25

I decided to skip this page
edHelper

Name: _____

Oh, no. This picture is all mixed up. Try to redraw the picture using the letter and number as a guide.



Name: _____

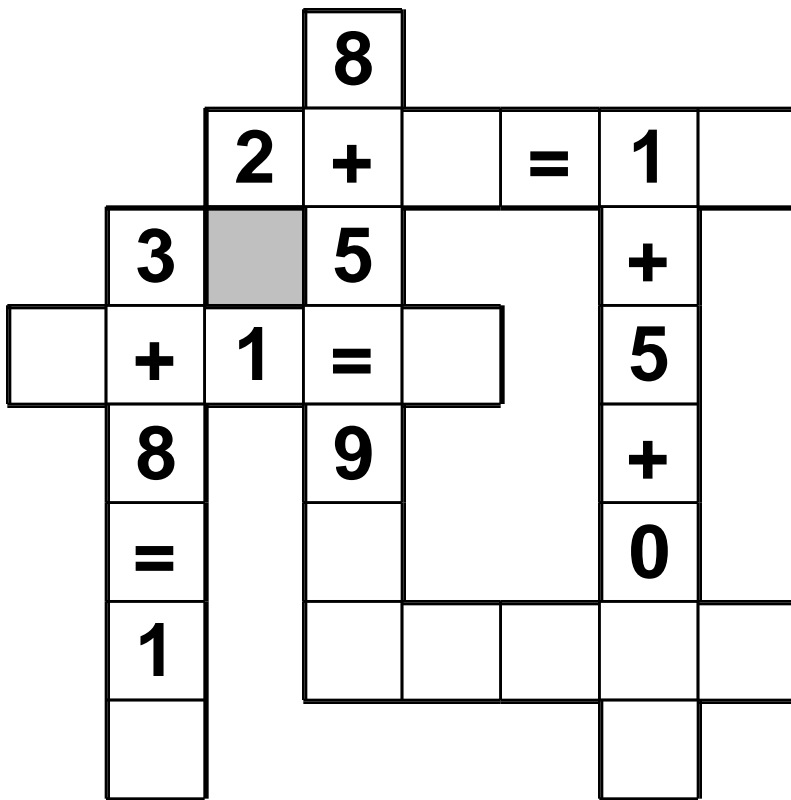
Mrs. Thompson used 4 boxes of tomatoes in the salad. There were 5 tomatoes in each box. How many tomatoes did she use in all?

Amy wants to buy some flowers for her neighbor. Amy has 4 dollar bills, 4 dimes, and 5 pennies. If the flowers cost \$5.22, how much more money does Amy need?

Eric went to the store. He bought a treat for his dog. The treat cost 29 cents. He gave the clerk one dollar. How much change did he get?

 $8 \cdot 0 \cdot 5 \cdot 6 \cdot + \cdot 4 \cdot + \cdot 3 \cdot = \cdot 7 \cdot 1 \cdot 6$

Use the pieces above to help you fill in the runaway math puzzle.



$1 + 6 = \square$

$16 - 7 = \square$

$7 + 2 = \square$

$16 - 8 = \square$

Name: _____

David likes to eat fruit. It helps keep him healthy. He ate 14 grapes and 10 berries. How many pieces of fruit did he eat in all?

Hannah and her father picked two baskets of pecans from their trees. They picked 610 pecans in all. Hannah picked 295 pecans. How many did her father pick?

The Catman takes care of cats without homes. Yesterday he had 14 cats. People brought more cats to him. Today he has 21 cats. How many cats did people bring to him?

double 20

$$\begin{array}{r} 47 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ - 7 \\ \hline \end{array}$$

Gavin and his family went on a picnic on National Goof Off Day. He put the food in the basket. He put two cookies for each person in the basket. There are six people in Gavin's family. How many cookies did he put in the basket?

Jacob dyed 2 dozen eggs. He put stickers on 8 of them. How many eggs did not have stickers?

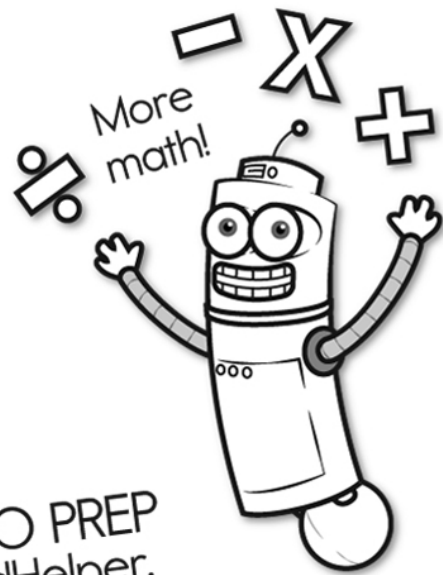
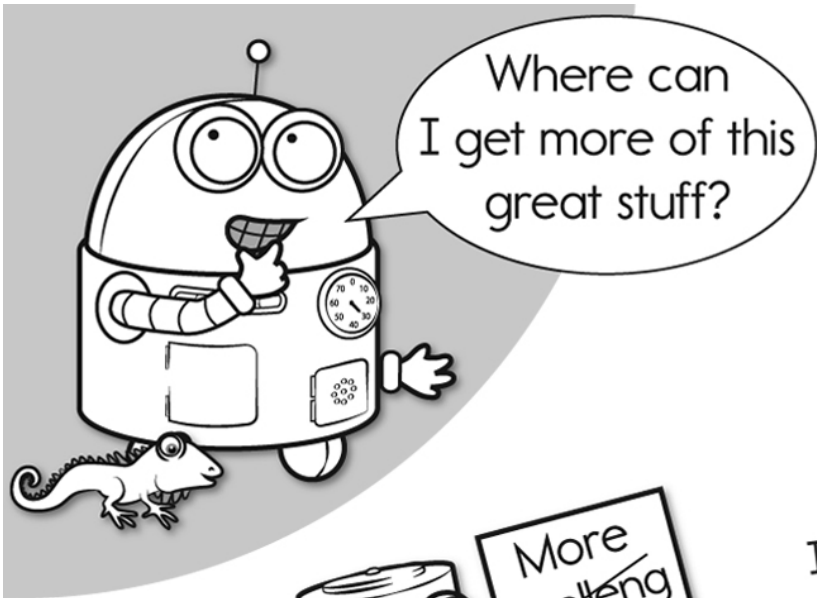
A box of 10 pieces of fried chicken costs \$4.38. A carton of 15 pieces of fried chicken costs \$7.96. How much more does a carton cost than a box?

Write this number:
6 thousands, 3 tens

Make your own
equation.

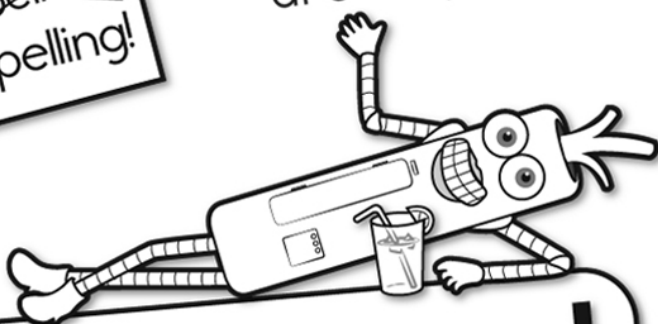
$$\underline{\quad} - 8 = \underline{\quad}$$

double 400

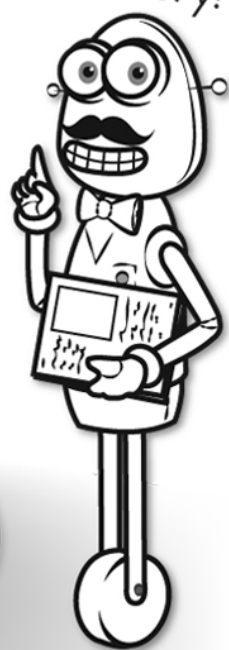


It's NO PREP at edHelper.

More history!



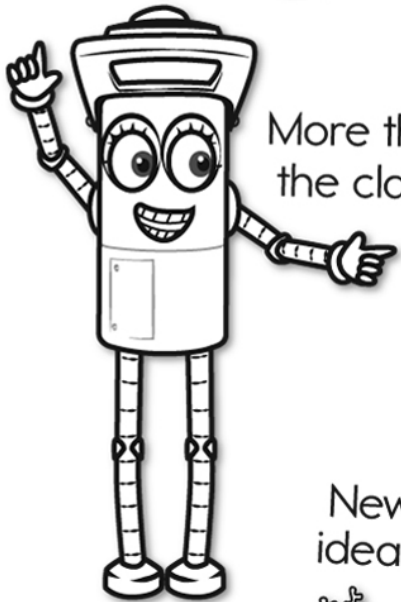
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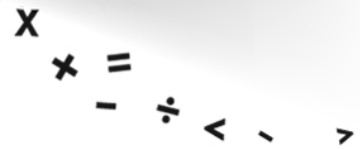
More things for the classroom!



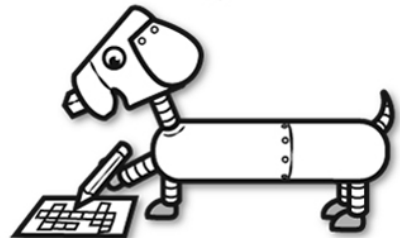
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