

9

+72

-39

-26

+11

+34

Name: \_\_\_\_\_

+12

11

Pick 23 to do:

Skip 2 pages.

- page 1    page 7    page 13    page 19    page 25
- page 2    page 8    page 14    page 20
- page 3    page 9    page 15    page 21
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- page 6    page 12    page 18    page 24

# Challenge Math

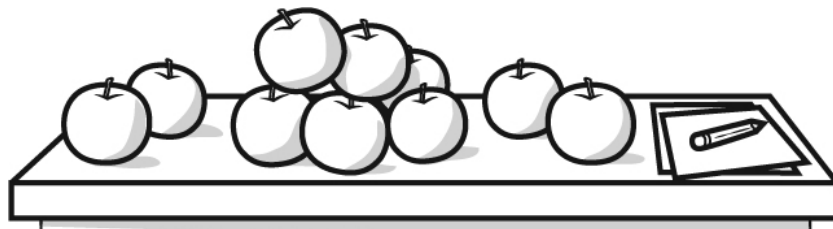
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## Book 37

-50

-30

+15



-16

Start on the square. Draw exactly 10 lines without picking up your pencil to connect all the circles.

-2

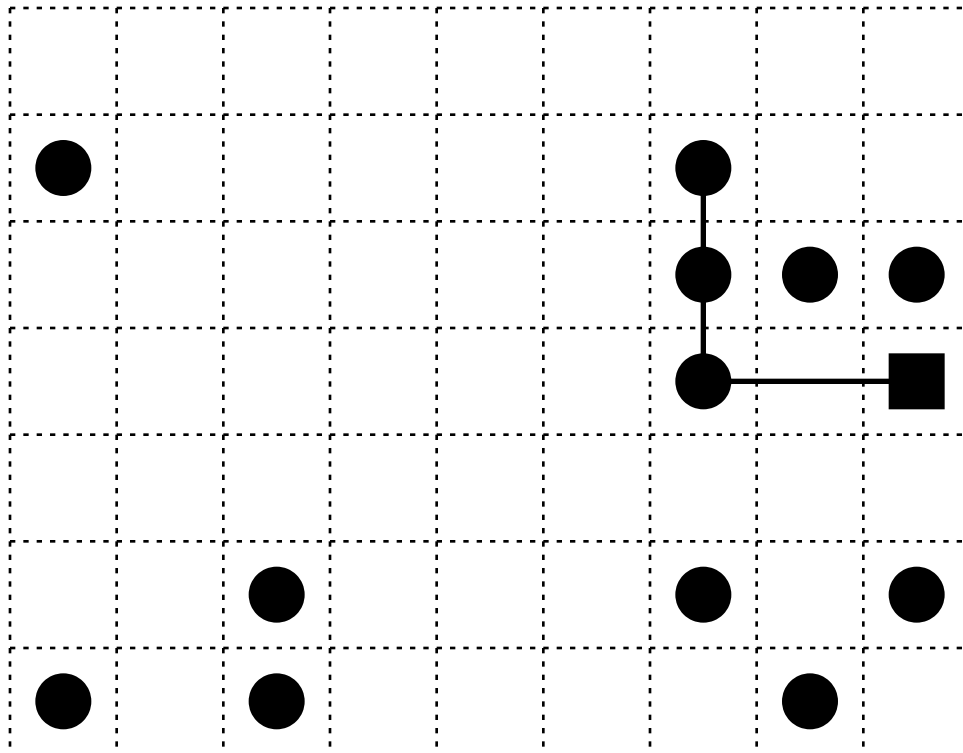
-9

-6

+18

-1

-13



23

+8

-5

-3

-4

+24

-7

+19

Name: \_\_\_\_\_

$12 \times 9 = 108$

$9 \times 3 =$

$11 \times 9 =$

$4 \times 2 =$

$10 \times 6 =$

$12 \times 7 =$

$11 \times 6 =$

$8 \times 8 =$

$8 \times 12 =$

$4 \times 8 =$

$4 \times 10 =$

20 16 7 15 10 15 11 28 96 12 4 28 26 5 6 41  
97 5 3 99 84 96 65 4 10 10 7 60 11 14 17 65  
21 8 4 9 16 10 21 15 4 8 1 9 4 15 20 19  
9 12 109 11 97 12 8 13 4 26 99 12 2 8 19 21  
64 8 9 65 3 10 12 4 9 8 108 8 2 6 9 40  
32 5 12 x 9 = 108 2 96 6 3 19 10 6 4 12 13 14  
12 14 27 66 8 26 40 10 4 10 10 8 32 8 4 11  
12 7 84 11 27 3 9 2 29 21 12 21 20 3 8 4  
7 2 99 4 15 64 3 29 109 15 9 3 64 8 4 8  
21 23 8 2 19 8 26 9 19 15 9 11 7 97 5 1  
66 20 7 12 40 8 8 6 8 6 11 15 65 8 10 108  
6 19 109 26 60 4 2 20 40 13 22 12 41 10 21 11  
11 8 21 60 6 41 4 23 32 84 4 12 6 4 32 8  
6 9 8 12 10 108 2 97 8 66 27 10 6 1 25 2

**LOOK**Write  
operation.

Write = sign.

Circle.

$6 \times 7 = 42$

$11 \times 4 =$

$7 \times 4 =$

$8 \times 2 =$

$12 \times 6 =$

$6 \times 11 =$

$4 \times 3 =$

$2 \times 2 =$

$10 \times 7 =$

$5 \times 6 =$

$6 \times 10 =$

16 7 14 24 16 6 11 15 18 72 66 60 21 5 7 10  
28 4 6 12 3 29 16 6 12 16 11 23 4 15 3 71  
42 28 13 7 4 2 2 4 5 11 6 16 7 15 14 4  
7 6 10 10 7 70 2 3 1 13 6 3 3 43 12 10  
43 10 1 67 4 7 17 66 70 12 3 4 2 4 11 12  
5 60 43 4 2 3 9 10 5 12 28 30 7 11 9 44  
71 7 7 7 12 4 16 6 7 12 6 6 4 4 17 6  
14 23 6 x 7 = 42 18 2 11 6 6 6 5 3 44 13 25  
22 20 30 16 1 8 14 24 2 72 14 11 18 4 10 2  
72 6 10 13 11 15 8 6 6 5 5 6 30 14 6 3  
7 12 9 10 16 6 4 11 13 15 15 9 42 11 4 7  
5 12 70 5 2 5 5 15 9 10 1 17 2 8 24 6  
13 3 6 44 8 9 60 15 19 2 13 4 8 3 66 4

Name: \_\_\_\_\_



$7 + 3 - 3$

Write this number:  
4 ones, 2 thousands, 9  
hundreds, 5 tens

If you know  
 $84 + 22 = 106$   
Then what is  $84 + 20$ ?

C, F, \_\_\_\_\_, L, O, R,  
U, X

5, 10, 15, \_\_\_\_\_, 25,  
30, 35, 40, 45

3 more than 863

I, 6, I, 6, I, 6, I, 6,  
\_\_\_\_\_, 6, I, 6

double 20

Write this number:  
6 hundreds, 4 thousands, 8  
ones

Name: \_\_\_\_\_

$$9 + 2 - 4 - 6 + 5$$

$$8 - 1 + 3 - 4$$

6 less than 546

O, H, N, G, M, F, L,  
\_\_\_\_\_, K, D

B, T, B, T, \_\_\_\_\_, T, B,  
T, B, T

How many hours are there  
from 6 a.m. to 7 p.m.?

$$\begin{array}{r} 359 \\ + 67 \\ \hline \end{array}$$

Write this number:  
6 ones, 5 thousands

$$\begin{array}{r} 237 \\ - 19 \\ \hline \end{array}$$

14, 16, 18, 20, 22, 24,  
26, \_\_\_\_\_, 30

$$\begin{array}{r} 48 \\ - 6 \\ \hline \end{array}$$

double 700

$$\begin{array}{r} 37 \\ + 9 \\ \hline \end{array}$$

How many hours are there  
from 6 a.m. to 11 p.m.?

6 more than 756

Name: \_\_\_\_\_

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

$$\begin{array}{r} 840 \\ + 159 \\ \hline \end{array}$$

•

•

$$\begin{array}{r} 509 \\ + 785 \\ \hline \end{array}$$

$$\begin{array}{r} 607 \\ + 989 \\ \hline \end{array}$$

•

•

$$\begin{array}{r} 579 \\ + 608 \\ \hline \end{array}$$

$$\begin{array}{r} 252 \\ + 34 \\ \hline \end{array}$$

•

•

$$\begin{array}{r} 956 \\ + 43 \\ \hline \end{array}$$

$$\begin{array}{r} 819 \\ + 777 \\ \hline \end{array}$$

•

•

$$\begin{array}{r} 272 \\ + 715 \\ \hline \end{array}$$

$$\begin{array}{r} 537 \\ + 661 \\ \hline \end{array}$$

•

•

$$\begin{array}{r} 730 \\ + 564 \\ \hline \end{array}$$

$$\begin{array}{r} 757 \\ + 430 \\ \hline \end{array}$$

•

•

$$\begin{array}{r} 495 \\ + 492 \\ \hline \end{array}$$

$$\begin{array}{r} 165 \\ + 121 \\ \hline \end{array}$$

•

•

$$\begin{array}{r} 628 \\ + 570 \\ \hline \end{array}$$

$$\begin{array}{r} 697 \\ + 889 \\ \hline \end{array}$$

•

•

$$\begin{array}{r} 848 \\ + 738 \\ \hline \end{array}$$

Write this number:  
9 ones, 4 tens, 5 thousands

$9 - 3 - 2$

$6 + 1 + 5 - 3 - 5$

Write this number:  
8 hundreds, 9 tens

$$\begin{array}{r} 457 \\ + 13 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ + 4 \\ \hline \end{array}$$



I did page 5

I decided to skip this page  
edHelper

Name: \_\_\_\_\_

Get a fidget spinner! Spin it.

I needed to spin \_\_\_\_\_ time(s) to finish.

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

$$\begin{array}{r} 47 \\ + 2 \\ \hline \end{array}$$

How much is this?

How many?

How much is this?

$$\begin{array}{r} 25 \\ + 10 \\ \hline \end{array}$$

double 700

$$\begin{array}{r} 69 \\ - 9 \\ \hline \end{array}$$

126, 140, \_\_\_\_\_, 168,  
182, 196, 210

A two-digit odd number has a 7 in the tens place. The sum of the ones and tens digits is 14. What is the number?

What time is it?

\_\_\_\_\_ : \_\_\_\_\_

Write this number:  
3 thousands, 7 ones



I did page 6

I decided to skip this page  
edHelper

Name: \_\_\_\_\_

Spin again.

I needed to spin \_\_\_\_\_ time(s) to finish.

$$\begin{array}{r} 9 \\ - 5 \\ \hline \end{array}$$

How much is this?



$$\begin{array}{r} 12 \\ + 10 \\ \hline \end{array}$$

Jenna took an empty half gallon milk carton and filled it with jelly beans. Write a number to estimate how many jelly beans are in the milk carton.

Anne took her empty backpack and filled it with tennis balls. Estimate how many tennis balls you think she was able to fit into her backpack.

Draw 3 small squares. Then color in some to show  $\frac{1}{3}$ .

A two-digit even number has a 9 in the tens place. The sum of the ones and tens digits is 15. What is the number?

96, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,  
\_\_\_\_\_, \_\_\_\_\_, 102

6 less than 546













Write this number:  
4 thousands, 8 hundreds, 9 ones

$$\begin{array}{r} 68 \\ + 6 \\ \hline \end{array}$$

double 50

Name: \_\_\_\_\_


Puzzle:


3				14
3	3			15
				28
			3	26
24	19	21	19	+


Work Area:


3				14
3	3			15
				28
			3	26
24	19	21	19	+


The sum for each column and row is given.

 = \_\_\_\_\_

















 = \_\_\_\_\_

 = \_\_\_\_\_

 = \_\_\_\_\_

 = \_\_\_\_\_


Puzzle:

				24
				21
				15
				24
21	21	21	21	+


Work Area:


				24
				21
				15
				24
21	21	21	21	+

The sum for each column and row is given.

 = \_\_\_\_\_

 = \_\_\_\_\_

 = \_\_\_\_\_

 = \_\_\_\_\_



Name: \_\_\_\_\_

Make change. You can use \$20, \$10, \$5, \$1, 25¢, 10¢, 5¢, or 1¢.

Use the fewest bills and coins to make \$51.57.

	\$20		
--	------	--	--

25¢				
-----	--	--	--	--

Use the fewest bills and coins to make \$52.43.

--	--	--	--	--

--	--	--	--	--	--

Use the fewest bills and coins to make \$51.24.

Use the fewest bills and coins to make \$15.23.

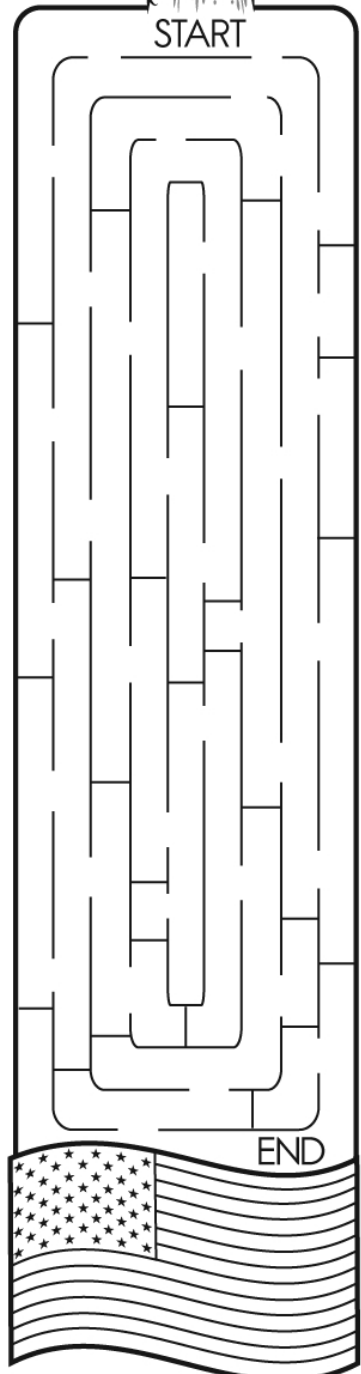
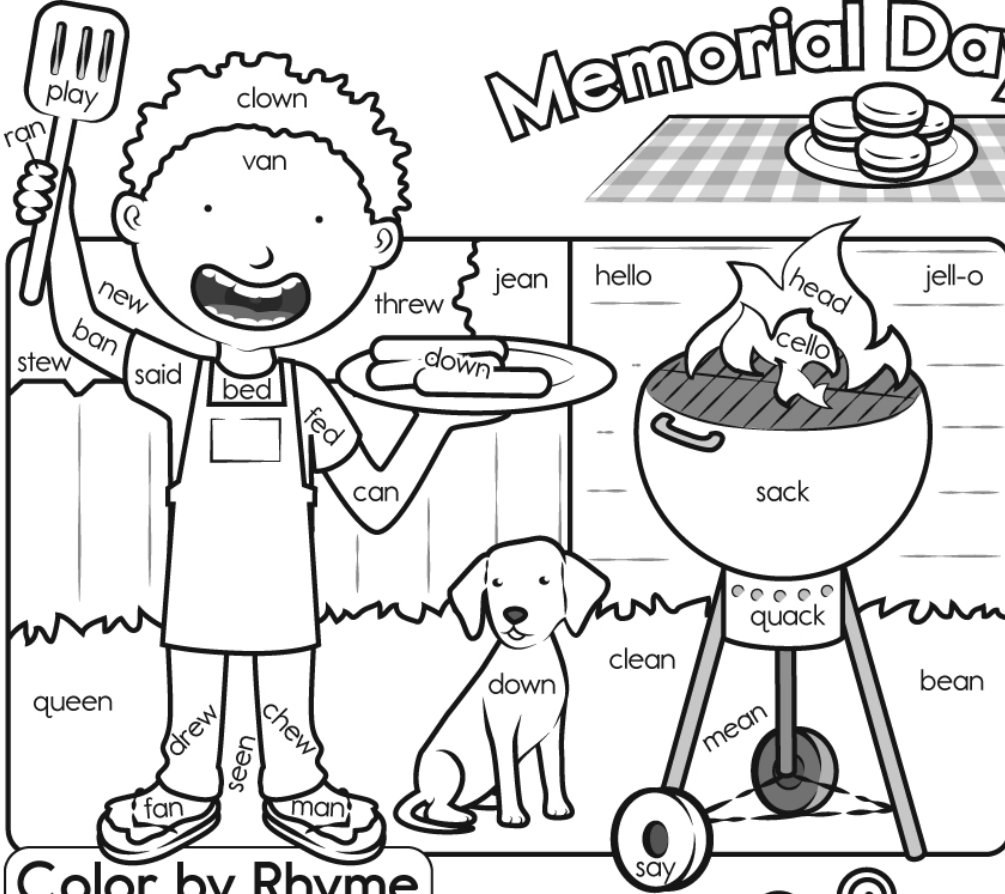
$$4 - 1 + 6 + 6 - 4$$

2 more than 852

Write this number:  
9 tens, 3 hundreds

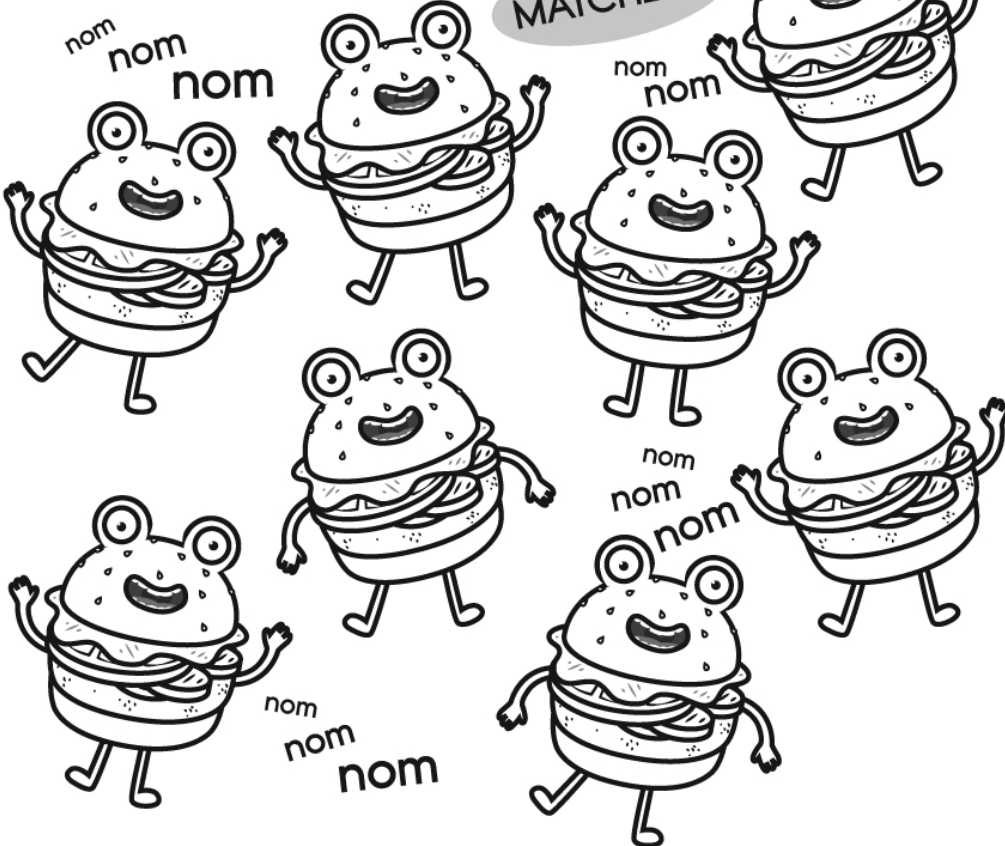
Name: \_\_\_\_\_

# Memorial Day BBQ!



**Color by Rhyme**  
 Example: Bean → Color it green.

## MATCHING



Name: \_\_\_\_\_

Jordan is trying to collect the complete series of Squash Squishies cards. A complete set of the first series consists of 20 A cards and 20 B cards. He wants them all!

"Check out my collection of the first series," Jordan tells his friend Matt.

"Wow! This one is my favorite. Do you have ALL of the first series?" Matt asks.

"No," Jordan says slowly. "I only have 36 cards so far."

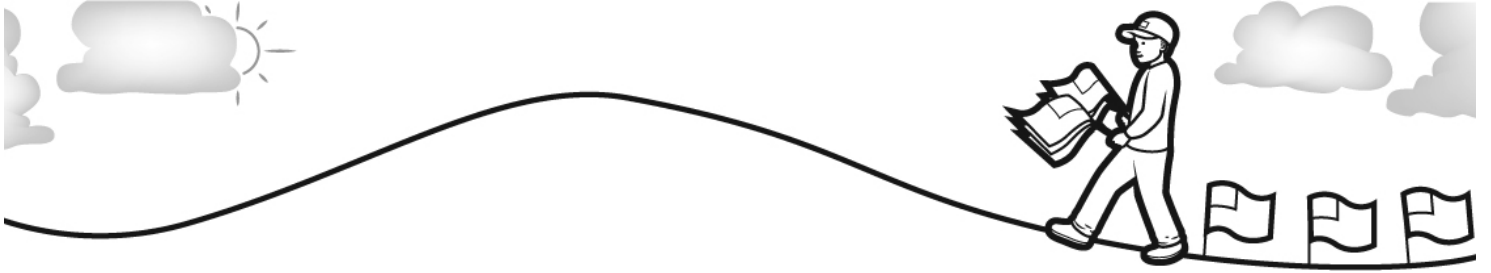
"Cool!" says Matt. But then Matt notices Jordan has some duplicates.

"Yeah, I have a dupe of that card and also this card. But there are no other duplicates."

Jordan would love nothing more than to have a complete set of Series 1 Squash Squishies cards! How many cards is he missing?

Show your work.

Name: \_\_\_\_\_



"Ready for the 10-minute challenge?" asked Mr. Smith.

Jacob nodded. He was ready!

"Great," said Mr. Smith. "Let's see how many flags you can put down in 10 minutes!"

Jacob put his first 3 flags down in 22 seconds. He hopes to keep up at this speed. How many do you think he will end up putting down?

Please remember to SHOW your work.

I did page 12

I decided to skip this page  
edHelper

Name: \_\_\_\_\_

Only use a pencil to write the numbers on the blank lines. You do not need any scrap paper! Solve it in your head. If you forget a number, then start over. Cool, huh?

# Mental Math



= Do it  
in your  
head!

imagine 5 in your head

add 4

subtract 2

Write the number.

\_\_\_\_\_  
A

imagine 7 in your head

subtract 5

add 6

add 5

Write the tens digit.

\_\_\_\_\_  
B

imagine 7 in your head

subtract 3

add 4

subtract 2

Write the number.

\_\_\_\_\_  
C

imagine 9 in your head

double it

add 4

subtract 5

Write the odd digit  
in your answer.

\_\_\_\_\_  
D

What is the sum?

A + B + C + D

\_\_\_\_\_

Wow! Great job! That's the answer, but do you know how to SPELL the number?

\_\_\_\_\_ e \_\_\_\_\_ n

7 before 14 \_\_\_\_\_

5 after 17 \_\_\_\_\_

8 after 11 \_\_\_\_\_

5 before 16 \_\_\_\_\_

3 after 15 \_\_\_\_\_

1 after 12 \_\_\_\_\_

9 before 13 \_\_\_\_\_

4 after 14 \_\_\_\_\_

7 after 16 \_\_\_\_\_

1 before 15 \_\_\_\_\_

2 after 18 \_\_\_\_\_

9 after 19 \_\_\_\_\_

8 before 12 \_\_\_\_\_

6 after 13 \_\_\_\_\_

2 after 16 \_\_\_\_\_



Name: \_\_\_\_\_

Jason's favorite player is number 56 - 20. "What's your favorite player?" Jason asks Jacob.

"My favorite player's jersey has a number that is 8 less than your favorite player," Jacob replies.

What number is on the jersey of Jason and Jacob's favorite players?

6 more than 856

$$\begin{array}{r} 47 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ + 7 \\ \hline \end{array}$$

Write this number:  
7 thousands, 2 ones, 6 tens,  
9 hundreds

7, 3, \_\_\_\_\_, 7, 3, 3, 7,  
3, 3, 7, 3, 3

$4 - 2 + 6 - 5$

Name: \_\_\_\_\_

Ava collects squishies. Before she started getting serious about collecting, she only had 7 of them. But now she has 34 squishies. She ordered 8 really big squishies online. They should be delivered next week on her birthday. And guess what? Next week on her birthday, she invited 6 friends over for a slumber party. In the invitation she said, "No gifts. Just give me 4 squishies."

On the day after her birthday, how many squishies will Ava have?

double 20

$9 - 6 - 2 + 1 + 1$

35, \_\_\_\_\_, 55, 65, 75,  
85, 95, 105, 115, 125

If you know  
 $80 + 11 = 91$   
Then what is  $80 + 9$ ?

$$\begin{array}{r} 478 \\ - 54 \\ \hline \end{array}$$

$$\begin{array}{r} 356 \\ + 49 \\ \hline \end{array}$$

$12 - 6 = \square$

$1 + 2 = \square$

$12 - 8 = \square$

$5 + 7 = \square$



Name: \_\_\_\_\_



Write this number:  
4 tens, 6 hundreds, 5 ones

65, \_\_\_\_\_, 75, 80, 85,  
90, 95

D, K, E, N, F, Q, G, T,  
\_\_\_\_\_, W

double 600

How many hours are there  
from 7 a.m. to 4 p.m.?

$8 + 2 - 2$

Holly gives each student in  
her class 3 fidget spinners.  
She gave out 39 of them.  
How many students are in  
her class?

$$\begin{array}{r} 156 \\ + 26 \\ \hline \end{array}$$

What number multiplied by  
four is sixteen?

Name: \_\_\_\_\_

How many hours are there  
from 6 a.m. to 7 p.m.?

$$5 + 6 - 4$$

If you know  
 $79 + 11 = 90$   
Then what is  $79 + 10$ ?

$$9 - 3 + 6 - 5 + 2$$

180, 198, 216, 234, 252,  
\_\_\_\_\_, 288, 306, 324

$$\begin{array}{r} 448 \\ - 12 \\ \hline \end{array}$$

2 more than 852

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

11, 13, 15, 17, 19,  
\_\_\_\_\_, 23

Write this number:  
9 hundreds, 2 tens, 8 ones

5 more than 575

2, x, 2, x, 2, x, 2, x, 2,  
x, \_\_\_\_\_, x, 2

Write this number:  
3 thousands, 5 tens

$$\begin{array}{r} 58 \\ + 6 \\ \hline \end{array}$$

double 300

Name: \_\_\_\_\_

There are 10 pieces of fudge on each plate. There are 5 plates. Count by tens. How many pieces of fudge are there in all?

Jack bought a bag of jellybeans. The bag cost 63 cents. Jack gave the clerk \$1. How much change did Jack get back?

Eric has 15 card games. He puts the games into piles of 5. How many piles does he make?

Write four words to describe these books.

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

Use one or more of these words also:

fascinating

thick

fiction

thick-and-thin

stacked

decorative

Write a sentence to describe the picture.

Use some of the above words.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



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$4 + \square = 12$

$5 + \square = 18$

$5 + \square = 13$

$9 + \square = 17$

$7 + \square = 10$

$17 + \square = 28$

$19 + \square = 25$

$30 + \square = 37$

**Name:** \_\_\_\_\_

"Is that an electric car? How long does it take to charge?" asked Noah.

"Yes, it is an electric car," answered Mr. Smith. "It can get 300 miles on a charge. Right now my car has 98 miles left. If I charge it with my power charger, the power charger can charge 26 miles per hour."

"Got it!" said Noah. He knew how to figure out how long it takes to charge.

"Wait!" insisted Mr. Smith. "It does charge at 26 miles per hour, but the last 20 miles of charging my car is slower. That usually takes an hour."

If Mr. Smith plugs in his car now, how long will it be until it is fully charged at 300 miles?

Show your work.

Name: \_\_\_\_\_

# Decimals

Fill in the missing decimal number.

 + 4.6 =  6

3.4 +  =  5

 7.5

1.7 +  =  3

 + 6.1 =  8

  
+

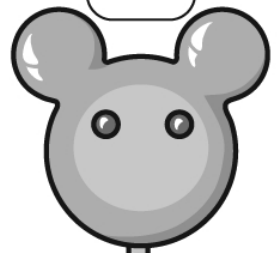
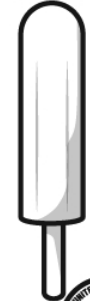
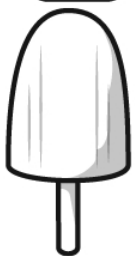
 9

 + 5.8 =  7


2.2 +  =  4





Pricing Popsicles \$ ¢ \$ ¢



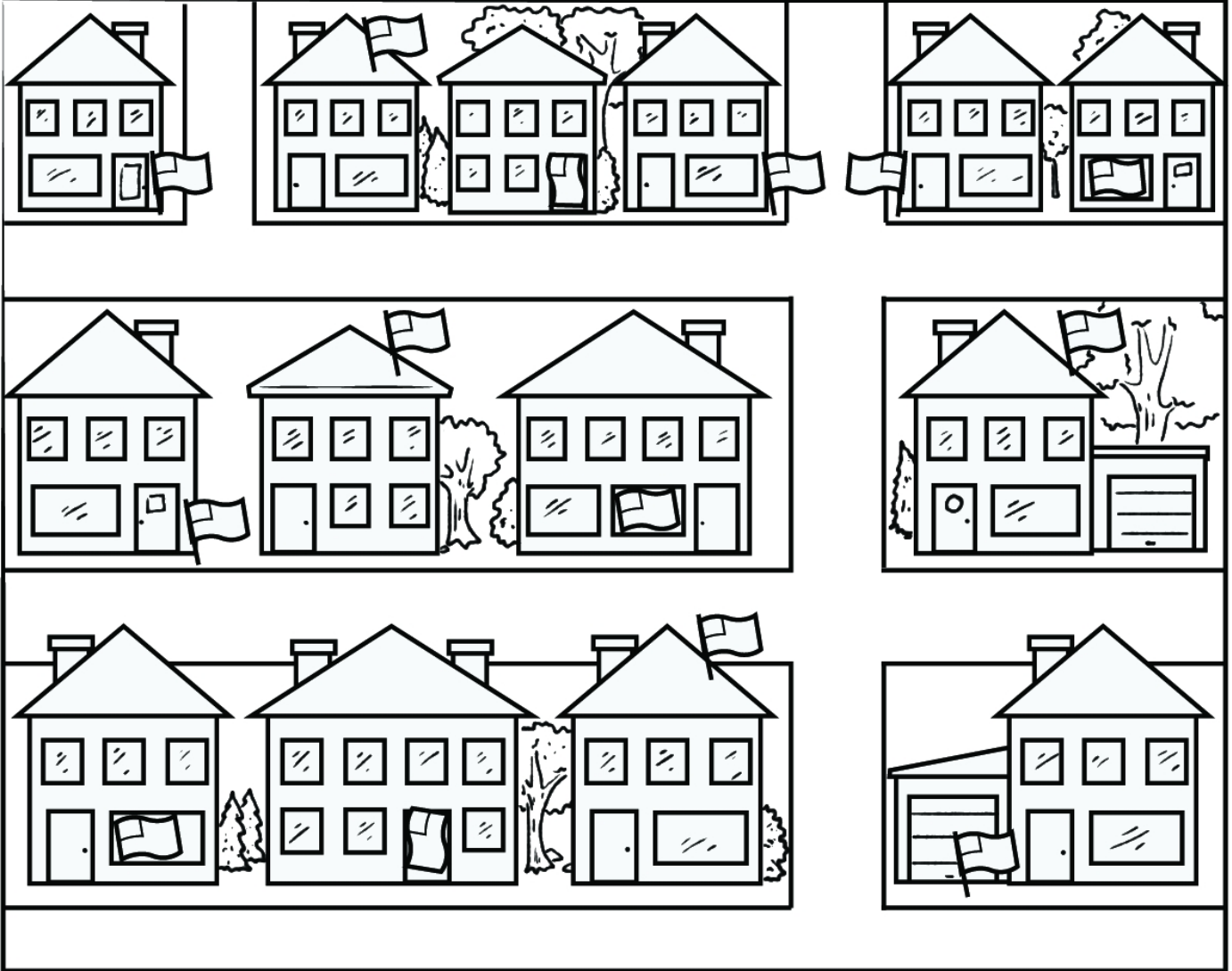
3-Digit Subtraction

556 - 445 = 

983 - 761 = 

679 - 346 = 

Name: \_\_\_\_\_



**Color:** All the houses in town have flags up to celebrate Memorial Day. The flags are on roofs, in windows, in yards, and on doors. Color the houses four different colors depending on where the flag is located. (Example: Color all of the houses with flags on the roof blue.)

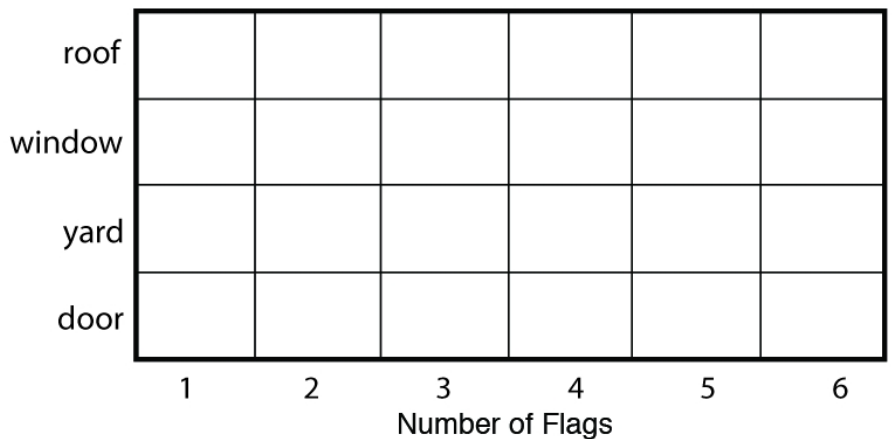
**Complete the bar Graph:** In the same color, fill in a box on the graph for each flag.

Where are the most flags?

\_\_\_\_\_

Where are the least flags?

\_\_\_\_\_



Name: \_\_\_\_\_

Cross off the letter or number that does NOT belong.

2, 2, t, t, 5, 5, 2, 2, t, 5, 5, 2, 2, t, 5, 5, 2

Why does \_\_\_\_\_ not belong in the pattern?

Cross off the number that does NOT belong.

8, 8, 11, 15, 18, 14, 28, 17, 38, 20, 48, 23, 58

Why does \_\_\_\_\_ not belong in the pattern?

Name: \_\_\_\_\_

Señor Garcia told the newspaper that 113,656 flags had been sold the week before Mexican Independence Day. Write this number in expanded form.

Justin had 6 white socks. He had some blue socks. He had 12 socks altogether. How many blue socks did he have?

Hunter and Ava have the same amount of money. Hunter has 7 nickels and 5 dimes. If Ava has 4 dimes, then how many nickels does she have?

Mrs. Taylor wrote the numbers 2 and 6 on the board. She always had a weird way to teach math. "Now, class," said Mrs. Taylor. "My printer is broken. Please write your own math problem using these numbers."



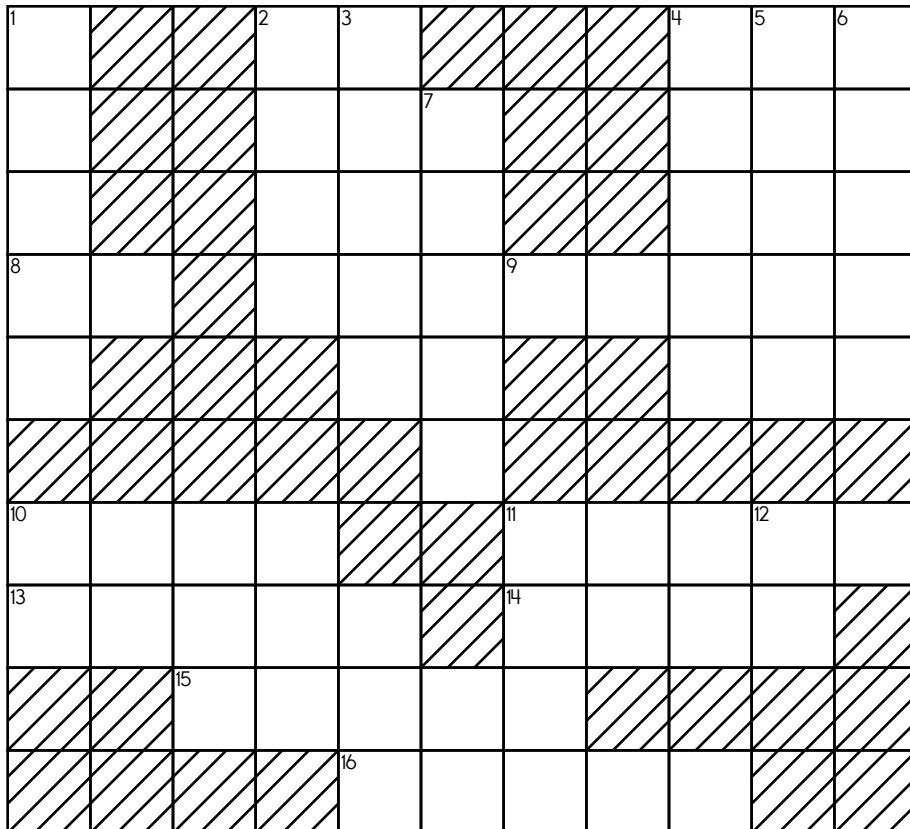
Name: \_\_\_\_\_

## ACROSS

8.  $9 + 16$
9. the ten thousands in 3-Down + the tens in 15-Across + the thousands in 14-Across
10. the ones in 5-Down + the tens in 3-Down + the thousands in 1-Down
11. the thousands in 1-Down + the tens in 8-Across + the ones in 14-Across + the ten thousands in 16-Across
13. the ones in 3-Down + the tens in 1-Down + the ten thousands in 15-Across + the thousands in 11-Across
14. the tens in 8-Across + the thousands in 16-Across + the ones in 12-Down
15. the ones in 8-Across + the tens in 14-Across + the thousands in 1-Down + the ten thousands in 11-Across
16. **sixty-four thousand, one hundred forty-two**

## DOWN

1. the thousands in 14-Across + the ones in 12-Down + the tens in 8-Across + the ten thousands in 16-Across
2. the ones in 11-Across + the tens in 14-Across + the thousands in 1-Down
3. the tens in 11-Across + the ones in 14-Across + the ten thousands in 15-Across
4. the ones in 2-Down + the ten thousands in 7-Down + the thousands in 6-Down
5. the ones in 3-Down + the tens in 12-Down + the thousands in 6-Down + the ten thousands in 15-Across
6. the ones in 8-Across + the thousands in 13-Across + the ten thousands in 9-Across
7. the thousands in 16-Across + the tens in 15-Across + the ten thousands in 5-Down + the ones in 3-Down
12.  $8 + 15$



Name: \_\_\_\_\_

Squeaky Squirrel played all summer. He didn't gather nuts for the winter. When his grandfather, old Samuel Squirrel told him to quit playing, Squeaky said, "I have plenty of time. I'll gather nuts later." Then one day it snowed. There was no more time to gather nuts. Squeaky had only 184 nuts to last all winter! His grandfather had 414 nuts in his storehouse. How many more nuts did Samuel have than Squeaky?

Connor bought a bag of peanuts for the elephants. He gave the first elephant 18 nuts. He gave the second elephant 4 more nuts than he gave to the first elephant. He gave the baby elephant 7 nuts. He has 16 nuts left. How many peanuts did he start with?

Write this number:

4 hundreds, 8 thousands, 7 ones, 2 tens

double 40

 $4 - 2 + 3 + 1$ 

Megan wants to buy a cozy blanket for her sister's new baby. She has saved 14 quarters, 12 dimes, 20 nickels, and 31 pennies. How much has she saved in all?

The Central City Zoo opened a butterfly garden. There are 2,379 butterflies flitting from plant to plant in the garden. Round off the number of butterflies to the nearest hundred.

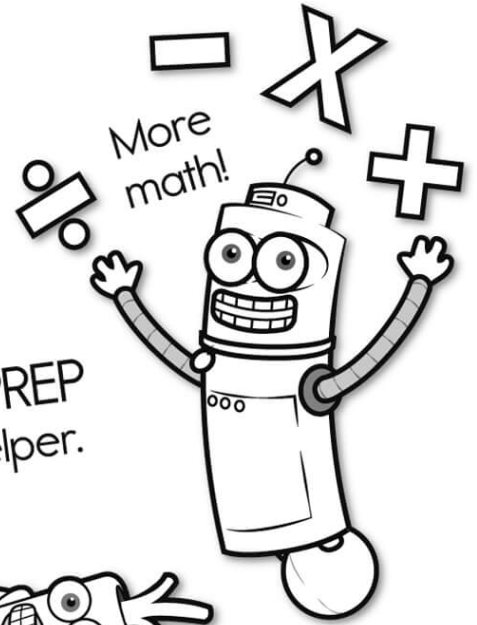
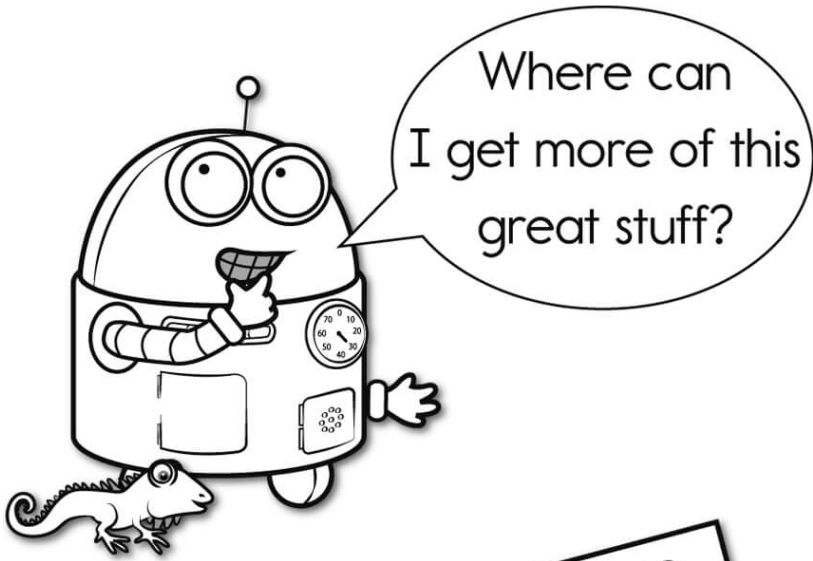
Jessica used 32 ft of border to make a bulletin board about Paul Revere. The bulletin board is 10 ft long. What is the area of the board? (hint: the border is the perimeter)

David has 12 tulips. Of the tulips,  $\frac{1}{3}$  are red. How many tulips are red?

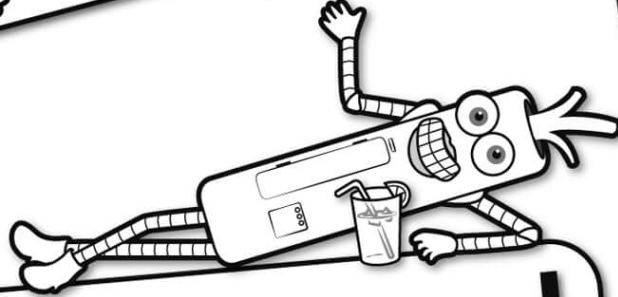
Write the prefix or suffix of the word helpless.

\_\_\_\_\_





It's NO PREP at edHelper.

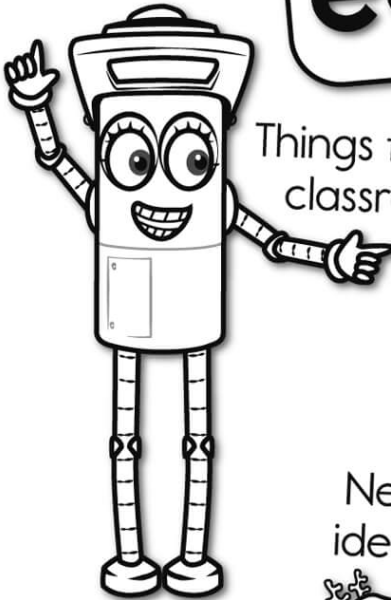


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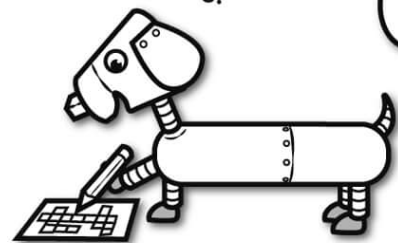
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