

97.3	-8		-17		+1.1		-35.6		-13.5	
------	----	--	-----	--	------	--	-------	--	-------	--

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

Pick 24 to do:

Skip 2 pages.

☐ page 1
☐ page 7
☐ page 13
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☐ page 8
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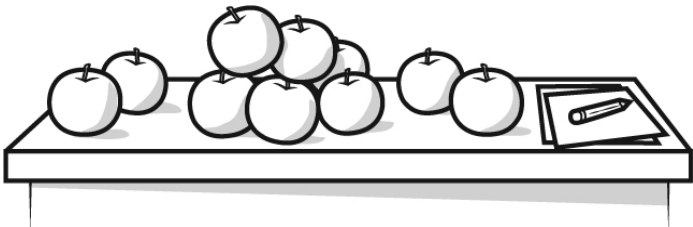
☐ page 5
☐ page 11
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☐ page 6
☐ page 12
☐ page 18
☐ page 24

# Challenge Math Book 38

13.8
-65.5
-15.4
+39
-7
+11.3
+6.7

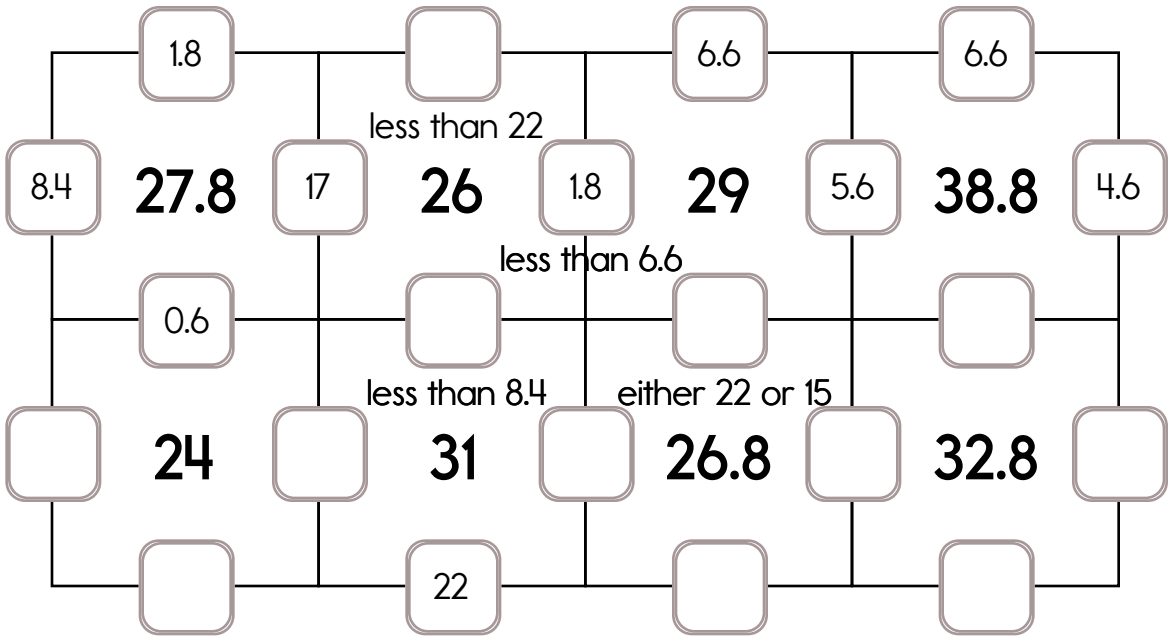
+45
+2.4
+24
-12.7
-19.8
+14.9
78.1
+3.2



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: 15, 17, or 22.

The other three numbers have to all be DIFFERENT and must be from these: 4.6, 1.8, 8.4, 6.6, 5.6, or 0.6.



	-47		+63.6		-9		-4		-40.2	
--	-----	--	-------	--	----	--	----	--	-------	--

☐

I did page 1

☐I decided to skip this page  
edHelper

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

Get a fidget spinner! Spin it.

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

How many minutes are there from 2:00 p.m. until 2:45 p.m.?

Find the product of 7 and 3.

Write the number that has exactly 5 thousands.

$8 - 1 - 4$

Draw a small clock that shows 20 minutes to 11:00.

double 42 =

What is the sum of 9 and 87?

The number 44 is more than the number 7 by how much?

$12 \times 8 =$

A book has 5 pages. Each page has 10 dimes. How many dimes in the book?

Write the number that is one ten more than 5,965.

You have a playdate in 180 minutes. How many hours is that?

How many total legs are on 60 chickens.

How many tens are in the number 40?

You need to add what to 46 to get 53?

☐

I did page 2

☐I decided to skip this page  
edHelper

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

Spin again.

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

Write a 4-digit even number.

$$\underline{\hspace{1cm}} \div 12 = 11$$

In the equation  $36 \times 365 = 13,140$ , which number is the product?

Lucas bought 4 dozen cupcakes for a party. How many cupcakes did he buy?

Write the first 5 multiples of 8.

How much greater is 173 than 48?

What is the sum of 10 and 835?

$$(7 + 10) - 3$$

What is 15 less than 1,299?

Is 15 a composite or a prime number?

Write the greatest possible 3-digit number without repeating any numbers.

Double the number 9 three times.

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

Adam's father collects baseballs signed by the members of major league teams. He has one signed baseball that is worth \$2,979. He has another baseball worth \$1,873. How much are the two baseballs worth together?

Perhaps someday someone will make a flight from the Earth (92,900,000 miles from the sun) to Pluto (3,664,000,000 miles from the sun). About how far is it from the Earth to Pluto? Round off your answer to the nearest 100,000 miles.

Connor never spends the coins he gets. He has 39 dimes. But that's nothing! He has 4 times as many nickels as dimes. How much money does he have in all?

Robot 1 said, "I have YYYYYYYY robot cats."

Robot 2 said, "I have YYYYY robot cats."

Robot cat said, "Each Y stands for six cats. We have lots of cats!"

How many more cats does Robot 1 have?

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

$43\frac{2}{3}$	+58				$+9\frac{2}{3}$		$+\frac{8}{9}$
		+14		$+\frac{1}{3}$			
							+22
		$+\frac{1}{3}$		+1			
	$-\frac{2}{9}$			$77\frac{7}{9}$			+45
$-7\frac{3}{9}$				$+\frac{3}{9}$		+19	
-37		-5		+11		$+2\frac{6}{9}$	$-\frac{1}{3}$
							178

If B = 8, then what does B plus B equal? _____	Which is smaller, $\frac{4}{6}$ or $\frac{5}{6}$ ? _____
$26 + 4 =$ _____	Fill in the missing fraction. $\frac{4}{8}$ , $\frac{5}{8}$ , _____ , $\frac{7}{8}$
	$4 \overline{)24}$



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

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

Jack has \$55.98. He has 5 bills and 10 coins. How?

			\$5						
10¢									

Mary has \$2.29. She has 2 bills and 2 coins. How?

Alex has \$11.82. He has 2 bills and 10 coins. How?

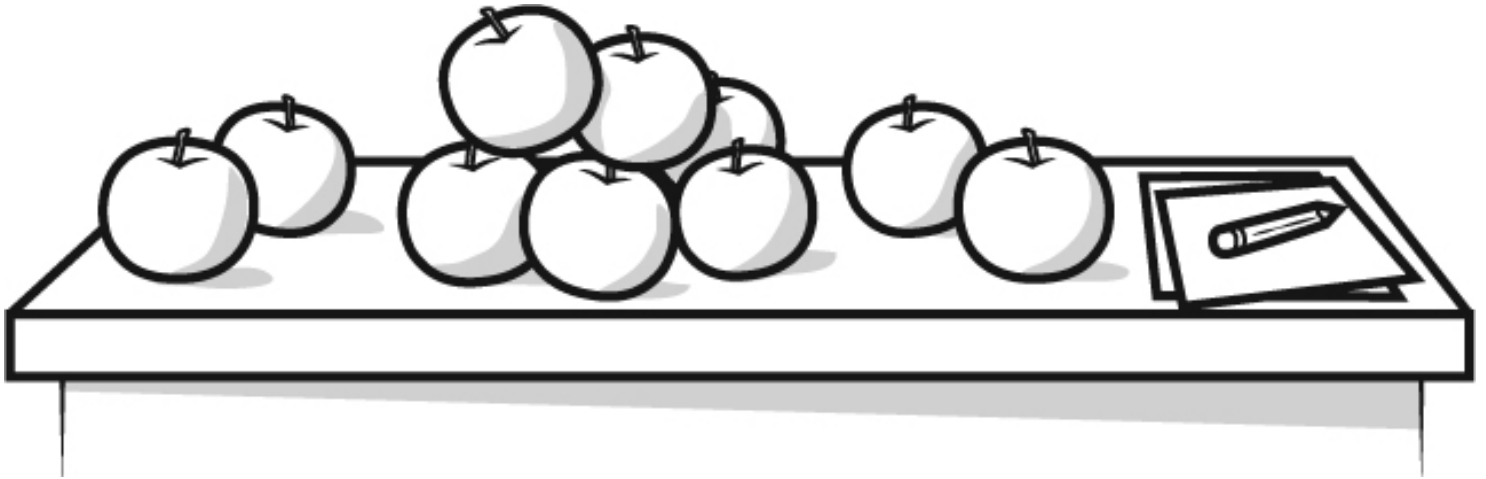
Rose has \$36.40. She has 4 bills and 3 coins. How?

$$35 \div 5 = 7$$

If you exchange 90 dimes for dollars, then how many dollars would you get?

How many tens are in the number 900?

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

















Write your own math problem here.

Ask the person who helped you to try to solve your problem.

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

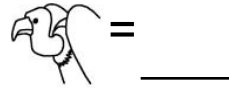
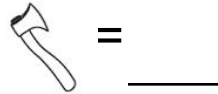
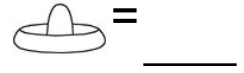
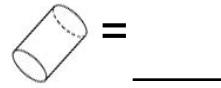
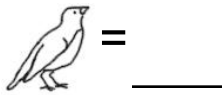
Puzzle:

	6			36
6				38
				49
				39
36	38	47	41	+

















Work Area:

	6			36
6				38
				49
				39
36	38	47	41	+

The sum for each column  
and row is given.



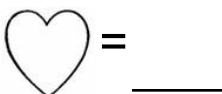
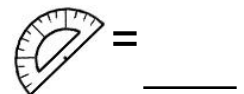
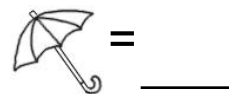
Puzzle:

				27
				14
				29
				25
27	16	20	32	+

Work Area:

				27
				14
				29
				25
27	16	20	32	+

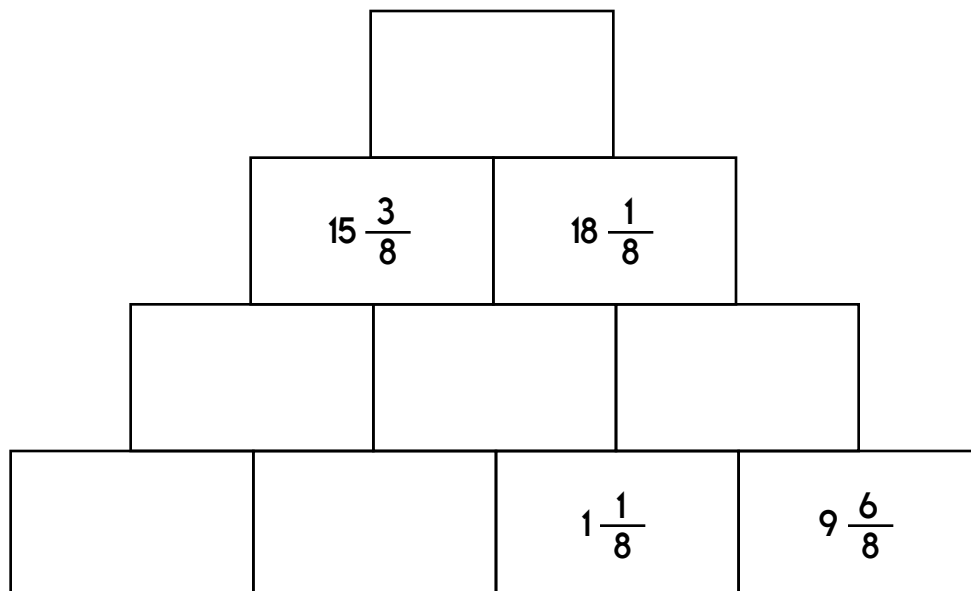
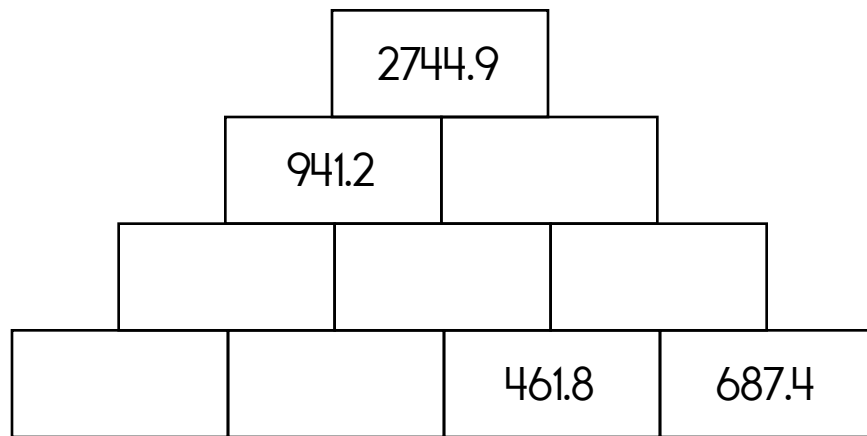
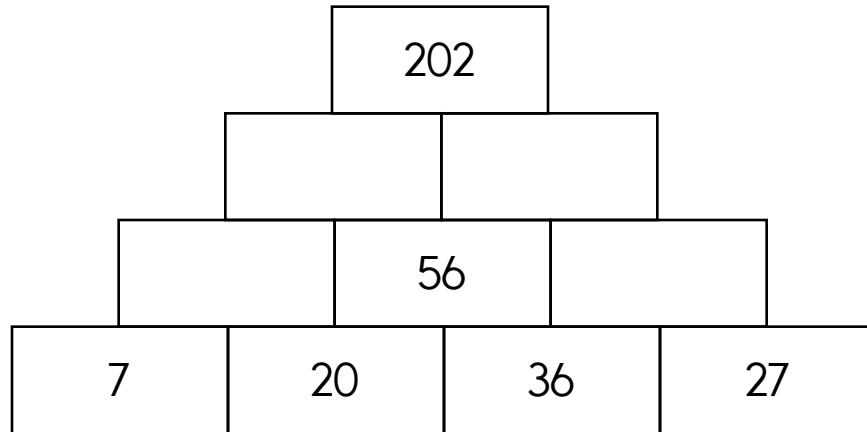
The sum for each column  
and row is given.





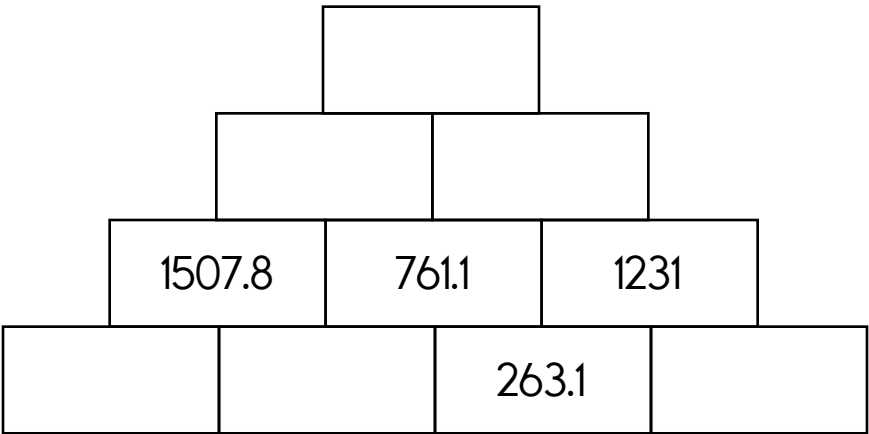
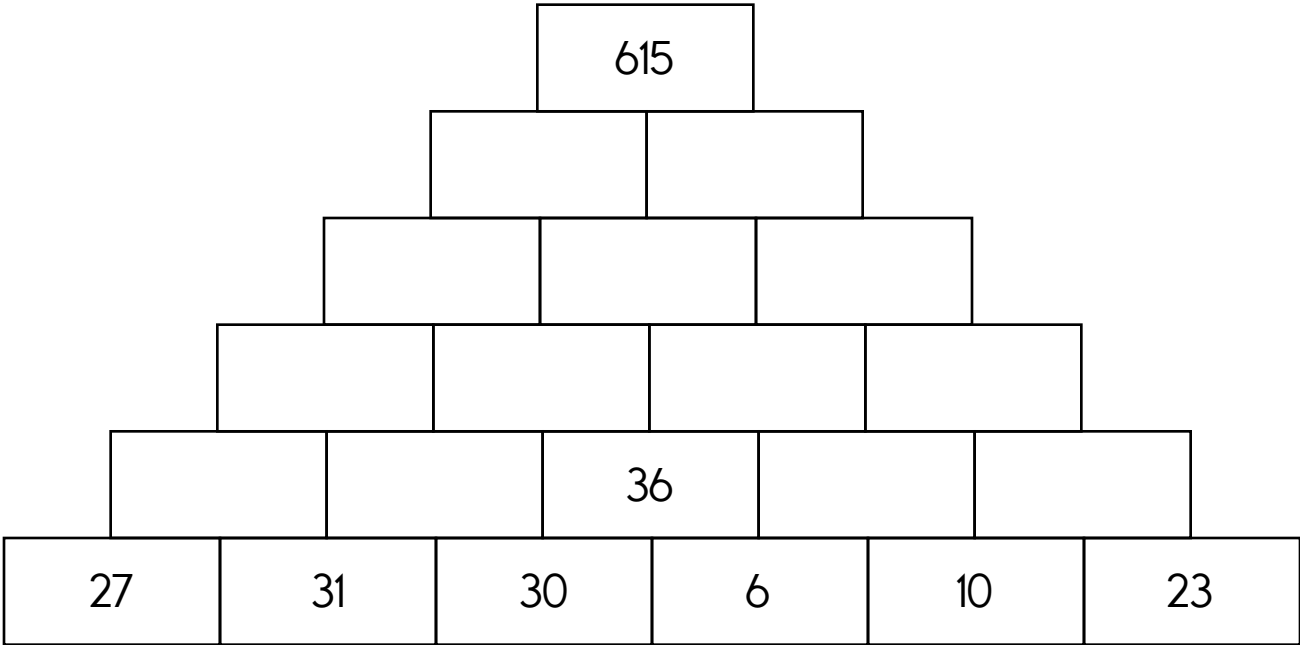
Name: \_\_\_\_\_

The block above is the sum of the two blocks below. Fill in the missing blocks.



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

The block above is the sum of the two blocks below. Fill in the missing blocks.



<div>What place value does the 2 have in 82,317?</div> <div>_____</div>	<div><div><div>63</div><div>+ 18</div></div><div><div>73</div><div>+ 33</div></div><div><div>71</div><div>+ 80</div></div></div>
<div>Write the ordinal number that comes after thirty-ninth.</div> <div>_____</div>	<div>Write the unshaded part as a decimal.</div> <div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div>_____</div></div> <div><div>62</div><div>- 35</div></div>

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



Name the shape with five  
sides and five angles.

A, H, C, I, E, J,  
\_\_\_\_\_, K, I, L

$$28 \div \underline{\quad} = 7$$

triple 22 =

$$489 + 9 =$$

How many hundreds are in  
the number 2,300?

There are 4 groups of 6  
rocks. How many rocks?

Round 1646 to the nearest  
hundred.

Jacob earns \$24 an hour.  
He worked 5 hours. How  
much did he make?

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

$$4 + 4 + 9$$

Is 46 a composite or a prime number?

How many total legs are on 23 elephants.

$$12 - (6 + 3)$$

Write the number that is one hundred less than 4,209.

Round 97 to the nearest ten.

Amy gave out a survey. The answers she got back were 15, 9, and 21. What is the range of these numbers?

47, 47, 52, 50, 57, 53,  
62, 56, 67, \_\_\_\_\_, 72,  
62, 77

Write the number that has exactly 2 hundreds.

Draw a small clock that shows 5 minutes past 6:00.

$$27 \div 9 =$$

Erin bought a pack of six waters. It cost \$3.24. How much did each water cost?

30, 46, 62, 78, 94, 110,  
126, \_\_\_\_\_, 158

Is 327 closer to 300 or 400?

What number is halfway between 0 and 16?

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

In Canada the best-known groundhog is white-furred, pink-eyed Wiarton Willie. Willie has been making predictions about the weather since 1956. Our own Phil has been making predictions since 1887. How many years longer has Phil been predicting the weather than Willie?

Rose is learning about prime and composite numbers at school. When she packed baskets of zucchini, she made sure the number of zucchini in each basket was a prime number. No basket held more than 20. What is the largest number of zucchini she could put in a basket?

Is 43 a composite or a prime number?

How many hundreds are in the number 34,000?

Write the least possible 4-digit number using only 2 different numbers.

Thursday was the day for the Balance a Book on Your Nose contest. Thirty students entered the contest. There was the same number of boys as girls. How many boys were in the contest?

Miss Johnson forgot to bring cookies for her class. They said that she was in the doghouse. The next day she brought 4 cookies for each student. If there are 15 students in the class, how many cookies did she bring to them?

Five students talked about eye safety today. They told the other students how to protect their eyes. The talks took 45 minutes. About how long did each student talk?

Amy has 23 nickels. How much money is that?

What is the sum of 6 and 88?

Is 35 a composite or a prime number?

☐

I did page 13

☐I decided to skip this page  
edHelper**Name:** \_\_\_\_\_

Jack and Jen are at their favorite store, Zappy Shoes.

"Jen," Jack asked his sister, "check these out. Do you think I should get them?"

"No," replied Jen. "But since when do you listen to me? How much do you have?"

"I only have \$30 plus the \$12 coming to me in two days for my weekly allowance. The shoes cost \$90, and they are on sale for half off. Can you loan me the rest?"

How much would Jen need to loan Jack for him to get the shoes?

Jack plans to use his allowance each week to pay back Jen. But he usually needs at least \$5 spending money each week.

How many weeks will it be before Jen is fully paid back?

When you are done, draw a picture of what Jack's new shoes look like!

☐

I did page 14

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edHelper

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

Rose is playing Half Court Quick Hoops at the local arcade. She may be playing way too much! She got her average up to 8 baskets in just 5 seconds. If she can keep up at that rate, how many baskets will she get in during the first round, which is 30 seconds?

$12 \times 8 =$

If you exchange 110 dimes for dollars, then how many dollars would you get?

How many minutes are there from 6:00 p.m. until 7:30 p.m.?

$35 \div \underline{\quad} = 7$

Amy has 27 nickels. How much money is that?

How many tens are in the number 14,000?

What are the first three multiples of 9?

\_\_\_\_\_



☐

I did page 15

☐I decided to skip this page  
edHelper

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

Unscramble these letters to spell a two-digit number with two different digits.

h-ettenyiign \_\_\_\_\_

tyiouthf-rr \_\_\_\_\_ (34)

eehtvygn-ise \_\_\_\_\_ (87)

Round 84 to the nearest ten.

How many tens are in the number 30?

What number is halfway between 0 and 24?

Lucas earns \$15 an hour. He worked 4 hours. How much did he make?

In the equation  $31 \times 494 = 15,314$ , which number is the product?

Name the shape with four sides and four angles.

Circle the answer that best completes the sentence.

(May/Can) you go to the baseball game with my family this weekend?

Which number is nine hundred sixty-four?

469

964

9,640

946





Can you draw lines to cover every number or shape in the picture?  
You can only move left, right, up, or down. And definitely no starting or stopping in a blank spot!  
The first one is already done for you. Good luck.

A 10x10 grid with numbers 1-9 placed in various cells, representing a 9x9 grid with one missing column. The numbers are placed as follows:

3	2		9		8				
3									
4									
				5					
				6		6	6	7	

4	3	3	3		
4			2		
5	5	5		6	
			2	1	

A 10x10 grid with a path of black circles and a black square at the bottom right. The path starts at (4,4), goes right to (7,4), then down to (7,8), and ends at a black square at (7,9).

☐

I did page 17

☐I decided to skip this page  
edHelper

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

Get a fidget spinner! Spin it.

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

2 more than 752

$$\begin{array}{r} 239 \\ - 80 \\ \hline \end{array}$$

22, 33, 44, 55, 66,  
\_\_\_\_\_, 88

double 70

$$\begin{array}{r} 467 \\ + 52 \\ \hline \end{array}$$

Write this number:  
4 thousands, 5 tens, 9  
hundreds, 3 onesWrite the number that is  
one thousand less than  
4,489.There are 3 groups of 6  
rocks. How many rocks?

triple 52 =

Write the greatest possible  
5-digit number using only 2  
different numbers.Round 978 to the nearest  
hundred.Anna bought a pack of six  
waters. It cost \$3. How  
much did each water cost? $10 \times 10 - 12$ 

double 40 =

How many hundreds are in  
the number 28,000?

☐

I did page 18

☐I decided to skip this page  
edHelper

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

Spin again.

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

3 more than 763

Write this number:  
4 hundreds, 9 ones, 7  
thousands, 6 tens7, 9, 11, 13, 15, \_\_\_\_\_,  
19

double 70

Write this number:  
7 tens, 9 ones, 8 thousands $4 - 2 + 4 + 4 - 6$ 

C, H, M, \_\_\_\_\_, W

Mary has \$37. She wants  
to buy something that costs  
\$91. How much more does  
she need?Round 64 to the nearest  
ten.

triple 23 =

You have a playdate in 120  
minutes. How many hours  
is that?

Find the product of 6 and 3.

☐

I did page 19

☐I decided to skip this page  
edHelper**Name:** \_\_\_\_\_

Cheeka and Zoom work at Techno Headquarters. They are trying to test drive a new space vehicle for their home planet of Specktra.

"I believe our prototype vehicle can go in auto drive mode at a speed of 1,248 mph," says Cheeka.

"Hmm. That sounds good, but I'm wondering how fast that is. How far will it go in one minute?" asks Zoom.

"Wow!" says their boss. "If I drive this from headquarters to my house, how long will it take me to get home?"

"Will you expect any stop lights on the way home?" asks Cheeka.

"Of course not!" says their boss.

"And how far is your home from headquarters?" asks Cheeka.

"Why, it's about... Uh, maybe... Oh, yes, exactly seventy-two and four-fifths miles away," replies their boss. "How could I possibly forget?"

Try to figure out how long it would take their boss to get home. When their boss presses the button on this vehicle, it will be going instantly at 1,248 mph in the direct direction of his home. Amazing!

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

Cross off the letter or number that does NOT belong.

g, g, 0, 1, 1, g, g, 0, 1, 1, g, g, 0, 1, 1, 0

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

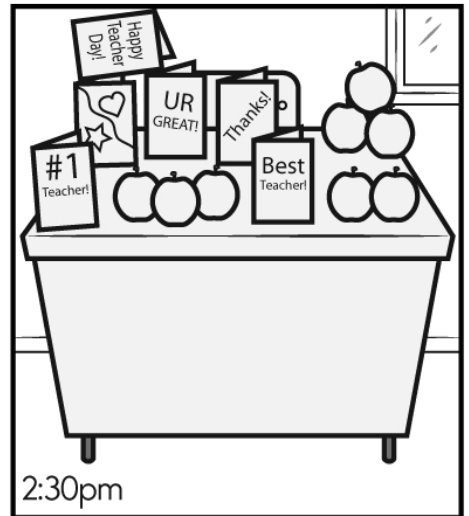
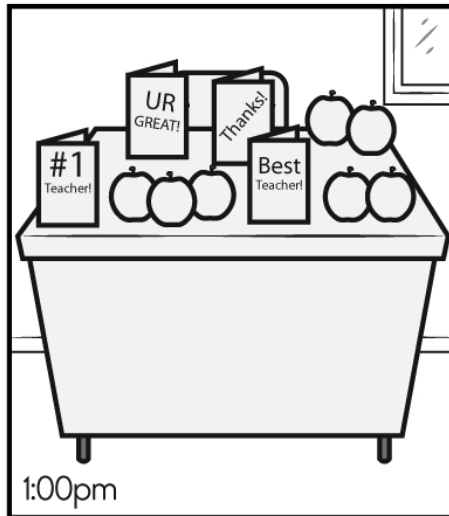
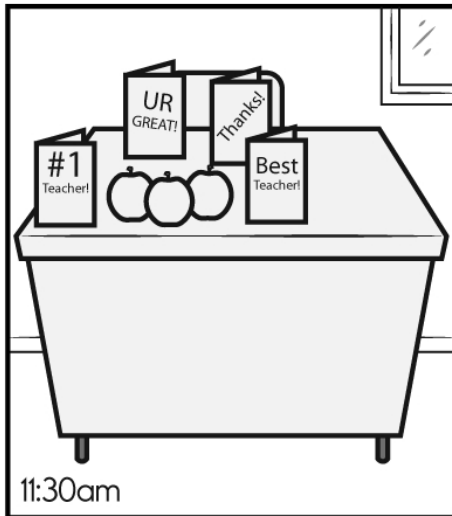
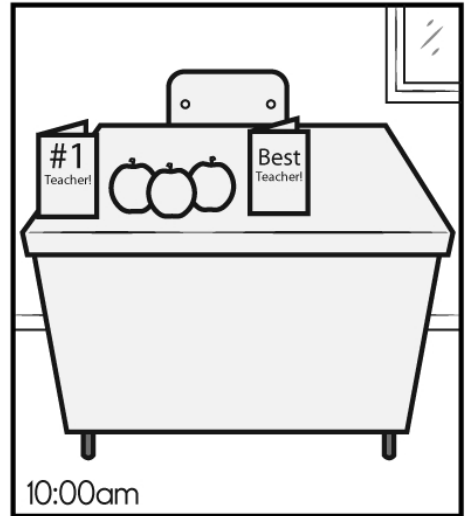
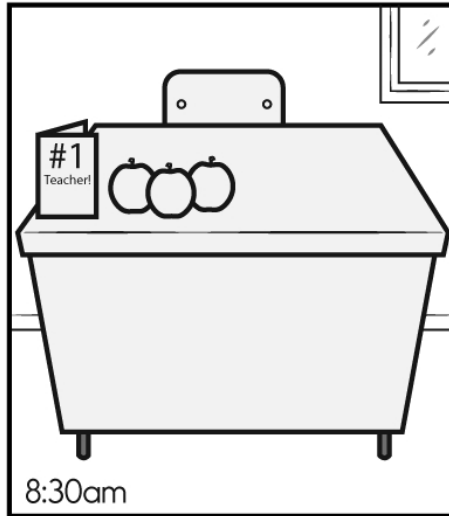
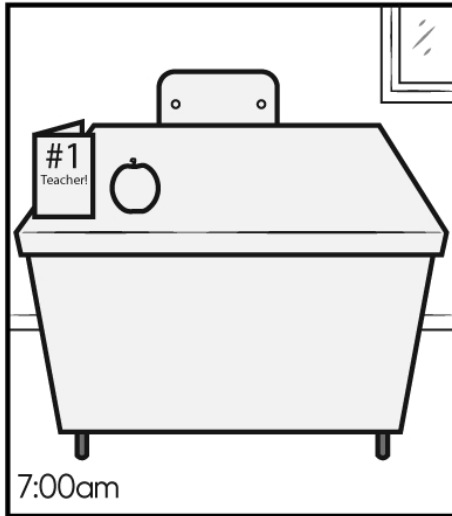
Cross off the number that does NOT belong.

6926, 9266, 2669, 6692, 6926, 9266, 9266, 2669,  
6692, 6926, 9266, 2669, 6692, 6926, 9266

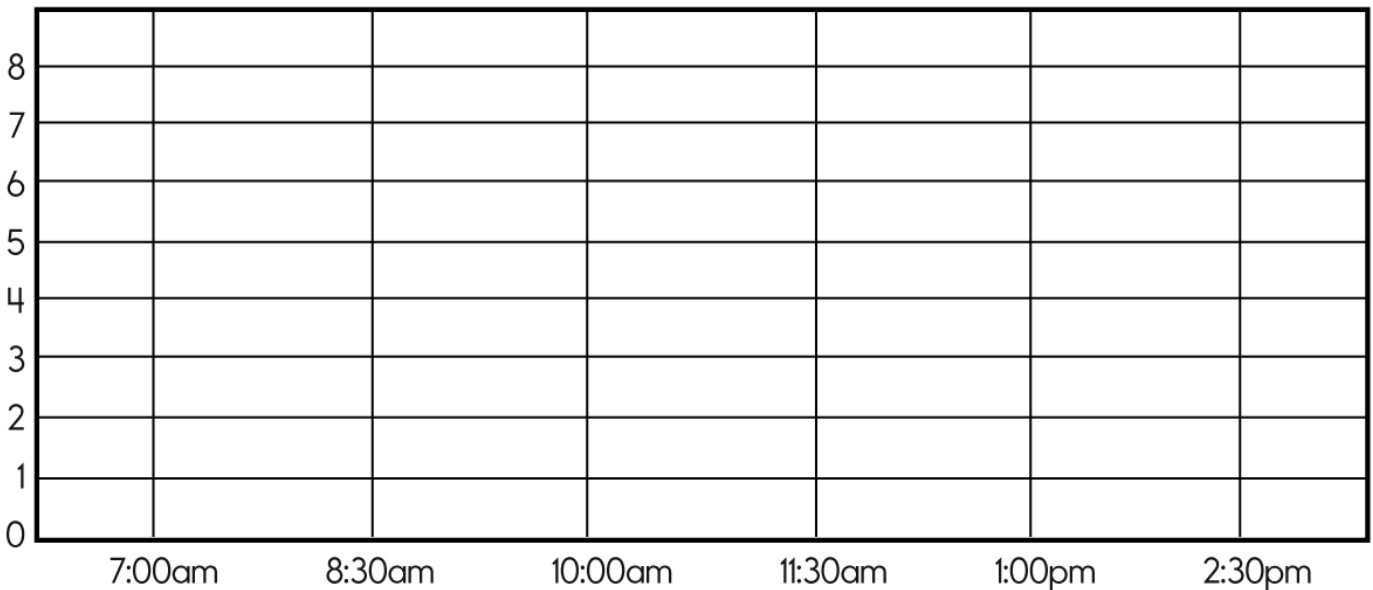
Why does \_\_\_\_\_ not belong in the pattern?

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

## Teacher Appreciation Day!



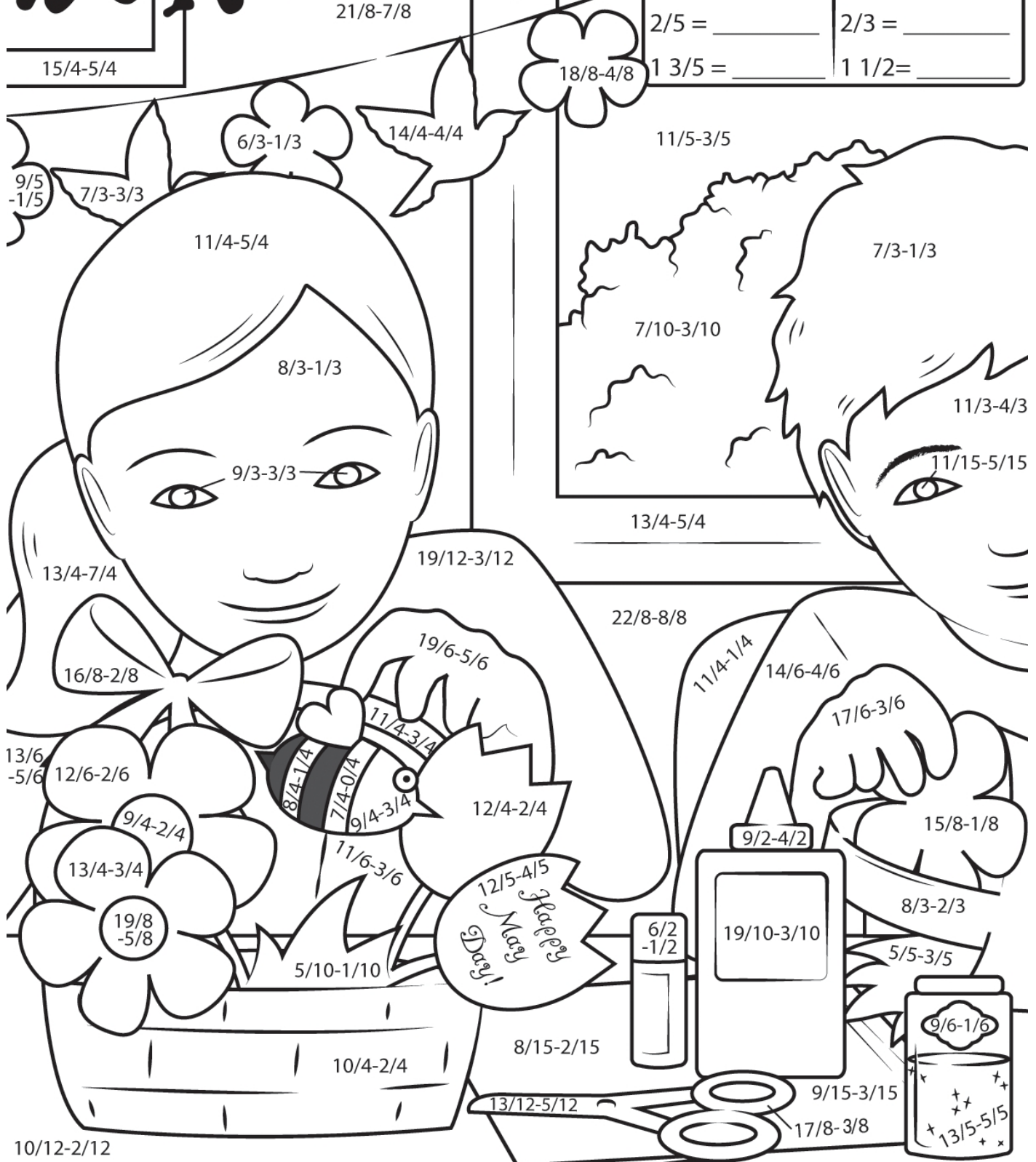
How many cards and apples are on the teacher's desk? Using **red** for apples and **blue** for cards, complete the line graph using the pictures above.



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

# EXTREME

Color by Subtraction  
with Fractions



☐

I did page 23

☐I decided to skip this page  
edHelper

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

**Pay the bill!**

Hunter received a bill from Central Water for \$185.72. Write the check as Hunter would write it.

HUNTER

1595

DATE \_\_\_\_\_

PAY TO THE  
ORDER OF \_\_\_\_\_\$ 

DOLLARS

MEMO \_\_\_\_\_

⑆993093017⑆

⑈63599⑈

1595

**Pay the bill!**

Hunter received a bill for his cellphone from Mobile Unlimited for \$68.23. Write the check as Hunter would write it.

HUNTER

1596

DATE \_\_\_\_\_

PAY TO THE  
ORDER OF \_\_\_\_\_\$ 

DOLLARS

MEMO \_\_\_\_\_

⑆993093017⑆

⑈63599⑈

1596

If you exchange 90 dimes for dollars, then how many dollars would you get?

A book has 5 pages. Each page has 10 dimes. How many dimes in the book?

Write the number that is one thousand less than 5,772.

$12 + 8 \times 9$

Write the number that is one ten more than 4,348.

double 23 =



☐

I did page 24

☐I decided to skip this page  
edHelper

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

**Pay the bill!**

Rent is due. David needs to pay his landlord \$2,400. His landlord's name is Erin Hall.

DAVID

1258

DATE \_\_\_\_\_

PAY TO THE  
ORDER OF

\$

DOLLARS

MEMO \_\_\_\_\_

⑆998322510⑆

⑈67943⑈

1258

**Pay the bill!**

David needs money. He wants to get \$140 in cash, so he writes a check payable to cash in this amount. Write this check.

DAVID

1259

DATE \_\_\_\_\_

PAY TO THE  
ORDER OF

\$

DOLLARS

MEMO \_\_\_\_\_

⑆998322510⑆

⑈67943⑈

1259

The number 46 is more than the number 7 by how much?

Is 31 a composite or a prime number?

Q, H, O, G, M, F, K, E,  
\_\_\_\_\_, D

How many total legs are on 25 tigers.

$$11 + (8 \times 1)$$

Draw a small clock that shows 20 minutes past 11:00.

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



How many times  
do you need to spin?

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

$1 + 4 = \underline{\quad}$

$6 + 7 = \underline{\quad}$

$5 + 7 = \underline{\quad}$

$3 + 1 = \underline{\quad}$

$4 + 8 = \underline{\quad}$

$7 + 3 = \underline{\quad}$

$2 + 8 = \underline{\quad}$

$8 + 7 = \underline{\quad}$

$9 + 1 = \underline{\quad}$

Spin fidget spinner. Quick!

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

$8 \times 7 = \underline{\quad}$

$7 + 7 = \underline{\quad}$

$5 + 7 = \underline{\quad}$

$5 + 8 = \underline{\quad}$

$5 - 3 = \underline{\quad}$

$28 \div 7 = \underline{\quad}$

$7 \times 3 = \underline{\quad}$

$9 + 6 = \underline{\quad}$

$7 + 8 = \underline{\quad}$

$7 \times 8 = \underline{\quad}$

$9 \times 7 = \underline{\quad}$

$40 \div 5 = \underline{\quad}$

$7 + 5 = \underline{\quad}$

$4 + 9 = \underline{\quad}$

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

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

$8 + 7 = \underline{\quad}$

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

$6 + 8 = \underline{\quad}$

$5 \times 7 = \underline{\quad}$

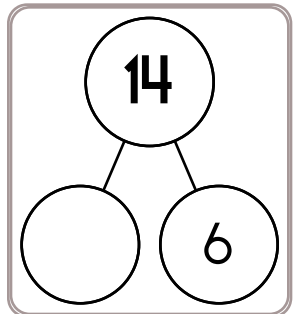
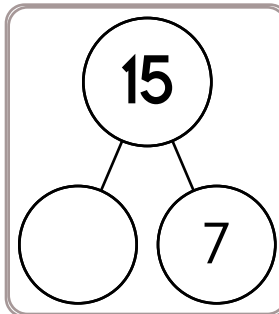
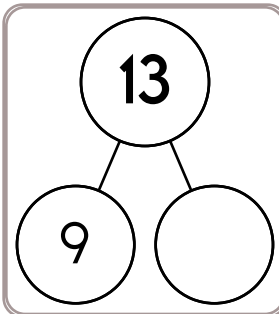
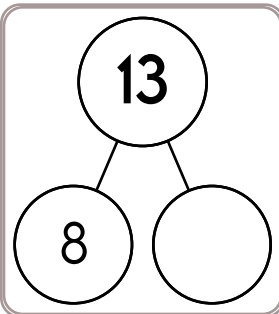
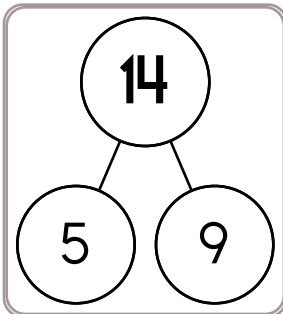
$54 \div 9 = \underline{\quad}$

$7 - 3 = \underline{\quad}$

$5 + 6 = \underline{\quad}$

$7 \times 5 = \underline{\quad}$

$6 - 4 = \underline{\quad}$



$56 + 5 = \underline{\quad}$

$47 + 4 = \underline{\quad}$

$23 + 4 = \underline{\quad}$

$64 + 7 = \underline{\quad}$

$13 + 6 = \underline{\quad}$

$37 + 5 = \underline{\quad}$

$73 + 7 = \underline{\quad}$

$68 + 8 = \underline{\quad}$

$35 + 6 = \underline{\quad}$

$77 + 3 = \underline{\quad}$

$26 + 4 = \underline{\quad}$

$19 + 6 = \underline{\quad}$

$56 + 7 = \underline{\quad}$

$43 + 3 = \underline{\quad}$

$28 + 7 = \underline{\quad}$

$38 + 4 = \underline{\quad}$

$75 + 7 = \underline{\quad}$

$49 + 3 = \underline{\quad}$

$55 + 3 = \underline{\quad}$

$63 + 7 = \underline{\quad}$

$15 + 4 = \underline{\quad}$

$37 + 9 = \underline{\quad}$

$43 + 8 = \underline{\quad}$

$75 + 3 = \underline{\quad}$

$27 + 4 = \underline{\quad}$

☐

I did page 26

☐I decided to skip this page  
edHelper

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

Alex lives on a dairy farm. He takes care of 14 of the cows by himself. When he feeds them, he puts enough grain in the bucket for 2 cows. He empties it, and then goes back for enough for 2 more cows. How many times does he have to fill the bucket to feed all the cows?

Some people like fried chicken. Some people do not like fried chicken. One-fifth of the people in my class do not like it. There are 30 people in my class. How many of them like fried chicken?

Sarah wants to buy some flowers for her neighbor. Sarah has 3 dollar bills, 2 dimes, and 5 pennies. If the flowers cost \$5.30, how much more money does Sarah need?

Share 24 equally among 3.

\_\_\_\_\_

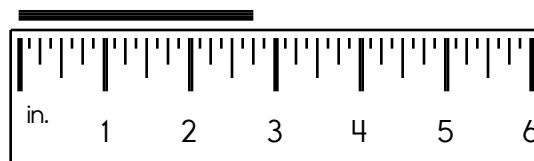
Write the length in inches.

\_\_\_\_\_

$$\begin{array}{r} 22 \\ + 32 \\ \hline \end{array}$$

If  $g = 11$ , then what does  $g - 3$  equal?

\_\_\_\_\_



What is the mode of these numbers?

21, 15, 25, 15, 24, 24, 28, 25, 16, 15, 19

\_\_\_\_\_

The factors of 18 are     2   3     \_\_\_\_\_



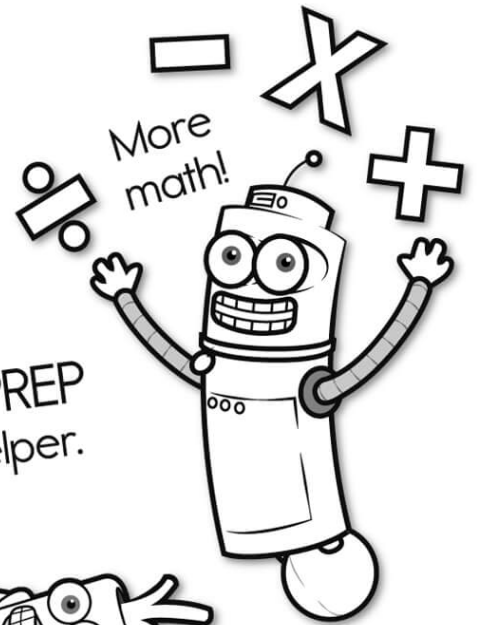
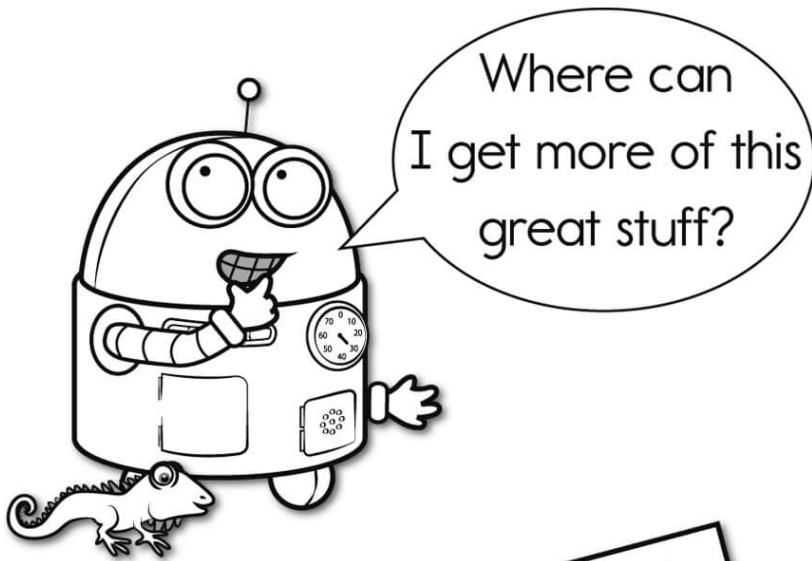
Cross out all of the prepositional phrases in the sentence.  
I flew in an airplane above the clouds and under the sun.

How many 5s are in 35?

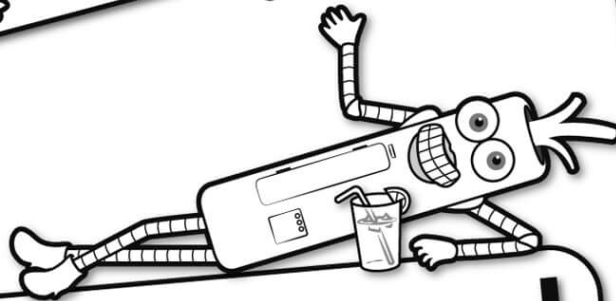
\_\_\_\_\_

$$\begin{array}{r} 9 \\ 6 \\ + 29 \\ \hline \end{array}$$

word root **voc** can mean **voice or call****equivocate, irrevocable, revocable**



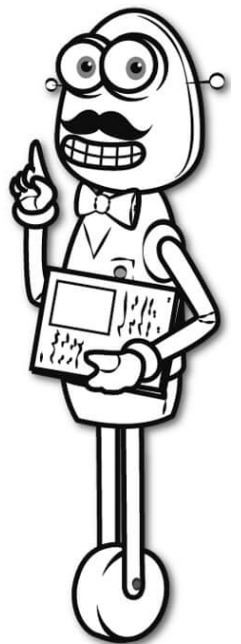
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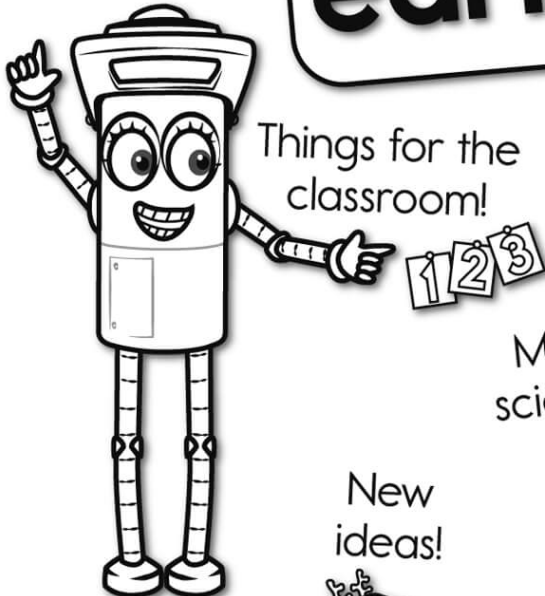
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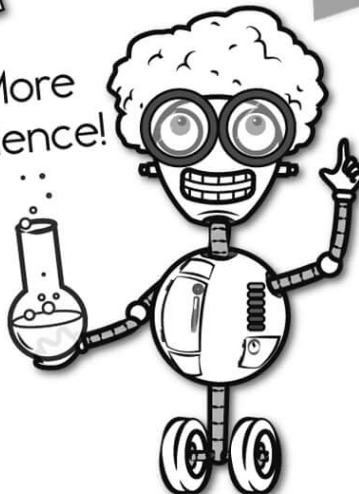
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