

88	$+7\frac{2}{5}$		$+2$		$+\frac{2}{5}$		-28		-42	
----	-----------------	--	------	--	----------------	--	-------	--	-------	--

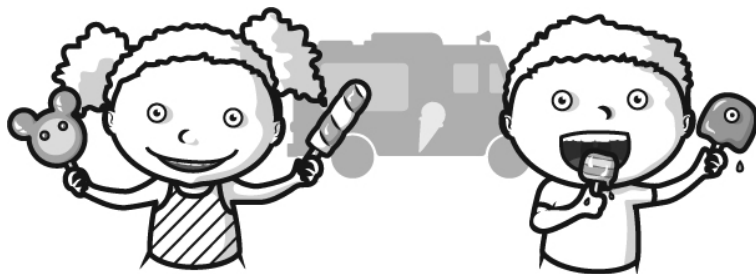
Name: _____

Pick 18 to do:

Skip 2 pages.

- | | | | |
|---------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> page 1 | <input type="checkbox"/> page 6 | <input type="checkbox"/> page 11 | <input type="checkbox"/> page 16 |
| <input type="checkbox"/> page 2 | <input type="checkbox"/> page 7 | <input type="checkbox"/> page 12 | <input type="checkbox"/> page 17 |
| <input type="checkbox"/> page 3 | <input type="checkbox"/> page 8 | <input type="checkbox"/> page 13 | <input type="checkbox"/> page 18 |
| <input type="checkbox"/> page 4 | <input type="checkbox"/> page 9 | <input type="checkbox"/> page 14 | <input type="checkbox"/> page 19 |
| <input type="checkbox"/> page 5 | <input type="checkbox"/> page 10 | <input type="checkbox"/> page 15 | <input type="checkbox"/> page 20 |

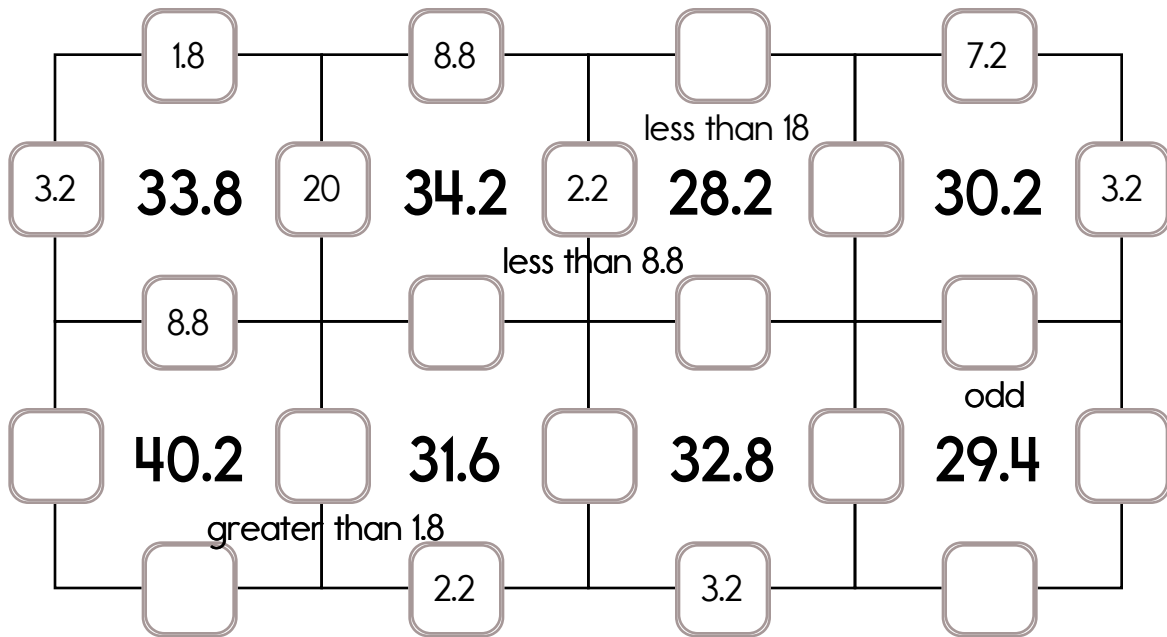
Challenge Math Book 42



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: 29, 20, or 18.

The other three numbers have to all be DIFFERENT and must be from these: 1.8, 7.2, 6.2, 2.2, 3.2, 8.8, or 0.8.



$131\frac{2}{5}$
$+\frac{3}{5}$
-4
$+46$
$+\frac{4}{5}$
-13
$-\frac{2}{5}$

$-\frac{2}{5}$
-17
$-\frac{2}{5}$
$-5\frac{3}{5}$
$+18$
$+32$
$54\frac{2}{5}$
$-\frac{1}{5}$

	-22		$+\frac{4}{5}$		$+1\frac{2}{5}$		$+8$		$+59$	
--	-------	--	----------------	--	-----------------	--	------	--	-------	--

Name: _____

Hunter played a joke on his father. On Mirth Day Hunter planted 13 potato plants in his father's garden. He watered the plants and took care of them until the potatoes were ready to dig up. His father was very proud of him. Then he saw the potatoes. There were 11 purple potatoes on each plant! How many purple potatoes were there in all?

The students in Mr. Hall's class are building rafts. They will ride their rafts on the river. The river raft race is one of the Freedom Week events. There are 22 students in the class. Two students can ride on each raft. How many rafts will they need?

Emily needs to buy water for the cafeteria.

"Can you please pick up 37 quarts of water?" asked the principal.

When Emily got to the store, they only sold water in gallon containers. How many gallons should she buy? (Hint: 1 gallon = 4 quarts)

A number less than 19 has some factors. Two of its factors are 3 and 5. Can you name at least one number that fits this?

Name: _____

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

Make \$52.14 using bills and coins.

		\$10		
<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">10¢</div>	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px;"></div>	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px;"></div>	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px;"></div>	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px;"></div>

Show a different way to make \$52.14 using a different number of bills or coins.

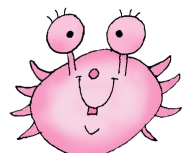
Make \$33.11 using bills and coins.

Show a different way to make \$33.11 using a different number of bills or coins.

$$\begin{array}{r} 29 \\ + 60 \\ \hline \end{array}$$

Write 372 in expanded notation.

What are 100 equal to?



Name: _____

What happens when you add an odd and an even number together?

$2 + 5 = \underline{\quad}$

$6 + 3 = \underline{\quad}$

$11 + 2 = \underline{\quad}$

$7 + 10 = \underline{\quad}$

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

$2 + 1 = \underline{\quad}$

$13 + 4 = \underline{\quad}$

$13 + 10 = \underline{\quad}$

$3 + 2 = \underline{\quad}$

When you add odd and even numbers together,
the sum will always be _____.

I am an even whole number. I am greater than 0 and I am also less than 20. If you multiply me by 3 the product will be less than 30. What possible number or numbers could I be?

Name: _____

Cross off the number that does NOT belong.

23, 24, 25, 28, 31, 36, 41, 48, 55, 64, 73, 84, 95, 108, 121, 124, 136

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

6, 6, 16, 17, 26, 28, 36, 39, 46, 52, 50, 56, 61

Why does _____ not belong in the pattern?

Name: _____

**FUN
BREAK!**

Play a game online!

edHelper.com/math-games.htm



**I PLAYED
ONE
GAME**

☐

(Check the
box after
you play.)

MY SCORE



$$\begin{array}{r} 1,105 \\ - 780 \\ \hline \end{array}$$

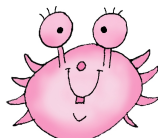
$$\begin{array}{r} 78 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 3,547,547 \\ - 39,421 \\ \hline \end{array}$$

Find the product of 8 and 4.

Write the least possible
5-digit number using only 3
different numbers.

You have a playdate in 240
minutes. How many hours
is that?



☐

I did page 6

☐I decided to skip this page
edHelper

Name: _____

Get a fidget spinner! Spin it.

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

$$\begin{array}{r} 437 \\ - 68 \\ \hline \end{array}$$

Write an even number.

2 less than 642

double 40

Write this number:
2 hundreds, 8 thousandsWrite this number:
7 tens, 4 ones, 8 thousandsWrite the number that is
one thousand more than
3,753.

$$___ \div 11 = 12$$

At 3 p.m. today, Rose will
not be able to use her
electronics for 3 hours. At
what time will she be able
to resume using her phone?How many even numbers
are there between 22 and
37?50, 68, 86, 104,
_____, 140, 158, 176,
194, 212

$$38 + 38 + 38 + 38 + 38$$

Change this into a
multiplication problem.

$$___ \times ___$$

☐

I did page 7

☐I decided to skip this page
edHelper

Name: _____

Spin again.

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

It is 7:43 when Rose leaves her house. She arrives at school at 8:02. How much time has passed?

U, I, R, G, O, E, L,
_____, I, A

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

$$\begin{array}{r} 267 \\ + 24 \\ \hline \end{array}$$

Write this number:
8 hundreds, 6 thousands, 5
ones, 7 tens

Circle the number that is
largest.

9,900 9,090

9,009

Wendy is four years
younger than her older
sister, Emily. Emily is sixteen
years old. What is the sum
of their ages?

Wendy has a bowl. She
puts 17 pennies into the
bowl. Gavin sees the bowl
and takes 8 pennies. How
much money (in cents) is
left in the bowl?

7, 9, 11, 13, _____, 17,
19

$$72 \div 9 =$$

Double the number 6 three
times.

What is 19 less than 399?

☐

I did page 8

☐I decided to skip this page
edHelper**Name:** _____

"Are you getting anything for Mom's birthday?" Arnold asked his dad. For some reason, Dad looked surprised. "Wait, I know why you are looking at me like that. You forgot about Mom's birthday!"

Arnold's dad knew what to do. He would order something from the Quick Delivery website. He found a book mom would like. The list price of the book was \$24, but it was on sale for only \$9. A bargain! Then he added some chocolate to the cart for \$18. He would eat it if mom didn't!

When he got to the checkout, they added \$2 in sales tax, but he had to pick shipping speed.

Same day was \$6, next day was \$3, and 2-3 days was free.

"When is Mom's birthday again?" asked Dad.

"Tomorrow!" replied Arnold.

How much will Dad's purchase cost him?

Show your work.

Name: _____



In the equation $33 \times 415 = 13,695$, which number is the product?

What number is halfway between 0 and 18?

Amanda has \$43. She wants to buy something that costs \$99. How much more does she need?

Circle the five numbers whose sum equals 29.

9 4 12 12

5 5 9 4

7 6 2 7

Is 44 a composite or a prime number?

If you exchange 80 dimes for dollars, then how many dollars would you get?

Name: _____

You need to add what to 38 to get 47?

Name the shape with six sides and six angles.

A book has 3 pages. Each page has 11 dimes. How many dimes in the book?

Megan has 60 books. She organized them equally into 5 boxes. How many books in each box?

$$12 + 7 \times 2$$

How much greater is 175 than 43?

Emily bought a pack of six waters. It cost \$3.06. How much did each water cost?

$$5 \times (11 + 5)$$

Eric earns \$24 an hour. He worked 4 hours. How much did he make?

Anna has 72 cookies. She and her 8 friends shared them equally. How many cookies did Anna keep?

Circle the better deal.

4 packs of Cool Squishies for \$2 (each Cool pack comes with 5 squishies)

5 packs of Wacko Squishies for \$2 (each Wacko pack comes with 3 squishies)

What number is halfway between 17 and 23?

Name: _____

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

Circle the numbers once you find it!

A

49	23	64
91	84	80
96	21	39
42	58	50

Find an addition fact.

B

91	8	12
86	32	50
81	37	17
21	11	55

Find an addition fact.

C

34	26	65
13	74	81
95	87	66
57	59	56

Find an addition fact.

Equations:

Write the equation facts you found.

A	49	+	42	=	91
B		+		=	32
C		+	13	=	

Complete each analogy with the best word.

lemonade sweater currents

winter is to hot chocolate as

summer is to _____

air is to wind as

ocean is to _____

spring is to T-shirt as

fall is to _____

Write the shaded part as a decimal.



Add the correct end punctuation for this sentence.

I love riding roller coasters



word root **com** can mean **festivity**

comedy, comedian

Name: _____

Mr. Smith sent an e-mail out to parents asking them if they could bring balloons to class. Supposedly, it was for a science project. To do the project successfully, they needed 3 balloons for each of the 18 students in the class, but Mr. Smith knew how balloons went pop. So he thought he needed 12 extra balloons. Mr. Smith also needed 5 balloons for himself.

"Mr. Smith," said Jennifer. "In this experiment we TRY to pop the balloons?"

"That's correct," said Mr. Smith. "The trick is to make it hard to pop. You will only be able to use a feather!" Mr. Smith's experiments were always strange. That's why they called him Mr. Strange Smith the Scientist.

David was in charge of bringing the balloons to class. David always got confused. He listened to Mr. Smith (he thought), but he brought 10 fewer balloons than he should have. How many balloons did he bring to class?

Show your work.

☐

I did page 13

☐I decided to skip this page
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Name: _____

Draw a line from START to END.

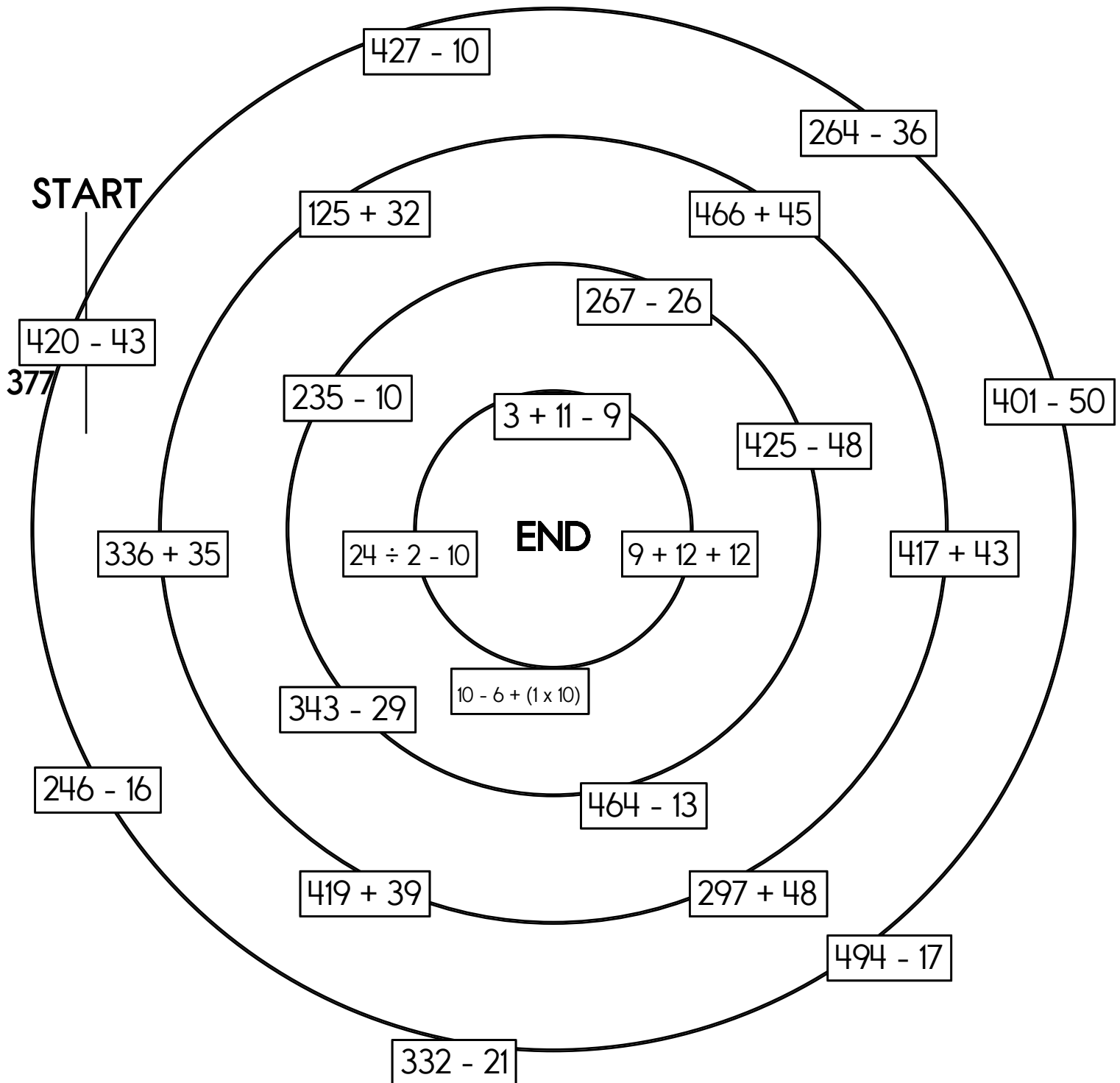
458

241

~~377~~

33

Cross out the number you use above and then write it below.



Name: _____

**FUN
BREAK!**

Play a game online!

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

How many total legs are on
3 zebras and 4 owls?

(216), _____, (6), (1)

, $\frac{1}{6}$, $\frac{1}{36}$, $\frac{1}{216}$, $\frac{1}{1296}$ $24 + \underline{\quad} + 27 = 64$ Is 339 closer to 300 or
400? $4 + 7 - 8 + 9$

B, F, _____, N, R, V, Z



Name: _____

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

$2 + 135 =$

$7 + 77 =$

$397 + 668 =$

$146 + 863 =$

$11 \times 10 =$

$5 + 91 =$

$368 + 697 =$

$130 + 879 =$

$8 \times 12 =$

$9 \times 10 =$

$2 + 88 =$

$6 + 104 =$

$9 + 128 =$

$7 \times 12 =$

$319 + 779 =$

$8 \div 4 =$

$6 \times 4 =$

$578 + 985 =$

$856 + 397 =$

$24 \div 8 =$

$841 + 574 =$

$3 + 87 =$

$8 \times 3 =$

$574 + 989 =$

$21 \div 7 =$

$6 + 84 =$

$839 + 576 =$

$4 \div 2 =$

$340 + 758 =$

$872 + 381 =$

How many tens are in the number 80?

The number 62 is more than the number 6 by how much?

$5 \times 7 \times 10$

D, K, E, _____, F, M,
G, N, H, O

How many total legs are on 6 ants?

Peter bought 5 dozen cupcakes for a party. How many cupcakes did he buy?

Name: _____

Peter went to the store. He liked being a geek. He bought 8 pens at 62¢ each and a pencil case for \$1.37. How much did he spend in all?

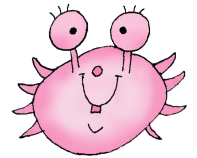
Jessica went to the circus with her father and mother. The best part of the circus was the clown. He could juggle and make people laugh at the same time! The tickets cost \$5.50 each. How much did it cost for Jessica, her father, and her mother to go to the circus?

Anna made 6 cups of popcorn. She gave half of the popcorn to her mother and father. She and her little sister shared the rest of the popcorn. How much popcorn did she give to her mother and father?

How many days are in September?

Write the number for nine thousand, five hundred thirty.

- ☐ squir
- ☐ squirt
- ☐ squirt
- ☐ sqiurt



What is the area of a square that measures 6 cm on one of its sides?

Fill in the missing fractions.

$\frac{4}{9}$, _____ , _____ , $\frac{7}{9}$

$$\begin{array}{r} 91 \\ - 41 \\ \hline \end{array}$$

The sum of two whole numbers is twenty-two. The difference between the two numbers is four. What are these two numbers?

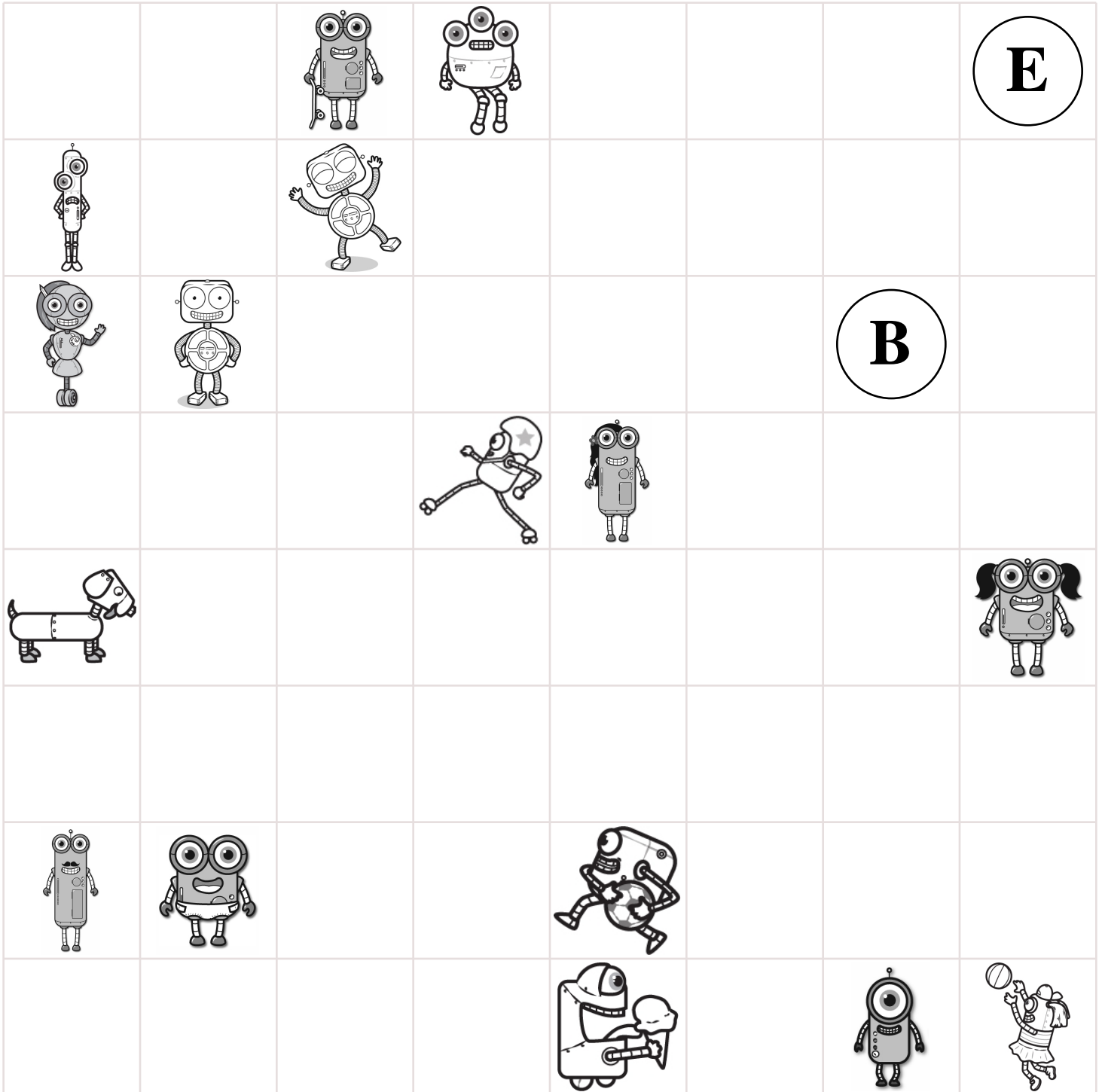
Which is smaller, $\frac{1}{3}$ or $\frac{3}{6}$?

$$\begin{array}{r} 66 \\ + 18 \\ \hline \end{array}$$

The factors of 10 are 1 2 _____

Name: _____

Pick up all of the robots from the game board. Start on the **B** circle. Do not pick up your pencil. Draw a line going left, right, up, or down. **Every line must end on a robot or the E circle. No stopping on an empty box.** Try to collect all the robots and end your last line on the **E** circle. You can go through a robot more than once.



Didn't get them all? That's ok. This was hard. I missed only _____ robot/robots.

Name: _____

"Challenge you to a game of Hoops Versus," Robert said to Nathan. They were at the arcade, and Nathan was very competitive.

"Piece of cake," replied Nathan. "I can get 12 baskets in 15 seconds."

"Well," thought Robert. "Last time I played Hoops Versus I got 31 baskets in."

If a game of Hoops Versus lasts for 42 seconds, who do you think will win?

Show your work.

Name: _____

$1 + 7 = \underline{\quad}$

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

$4 + 2 = \underline{\quad}$

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

$2 + 1 = \underline{\quad}$

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

How many times
do you need to spin?I needed to spin _____
time(s) to finish the page.

$3 + 8 = \underline{\quad}$

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

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

Spin fidget spinner. Quick!

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

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

$3 \times 8 = \underline{\quad}$

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

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

$8 + 3 = \underline{\quad}$

$16 \div 4 = \underline{\quad}$

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

$3 + 6 = \underline{\quad}$

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

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

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

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

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

$7 \times 4 = \underline{\quad}$

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

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

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

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

$9 - 8 = \underline{\quad}$

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

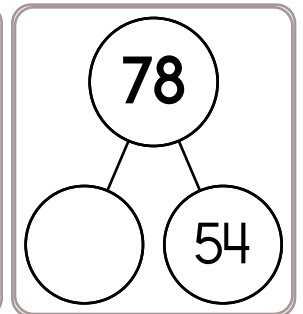
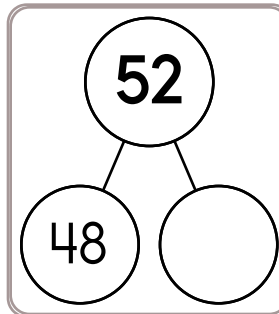
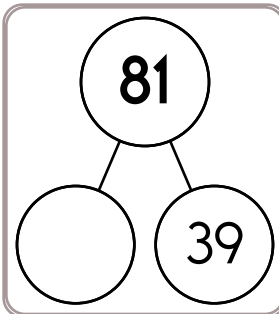
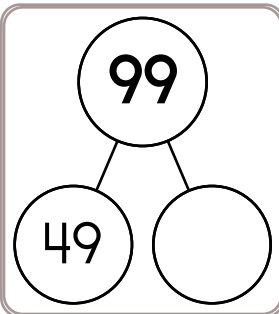
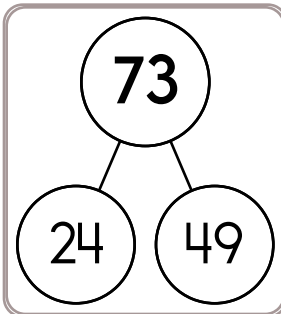
$40 \div 5 = \underline{\quad}$

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

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

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

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



$23 + 8 = \underline{\quad}$

$58 + 9 = \underline{\quad}$

$64 + 4 = \underline{\quad}$

$79 + 9 = \underline{\quad}$

$18 + 3 = \underline{\quad}$

$47 + 3 = \underline{\quad}$

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

$69 + 4 = \underline{\quad}$

$49 + 6 = \underline{\quad}$

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

$28 + 8 = \underline{\quad}$

$16 + 8 = \underline{\quad}$

$75 + 4 = \underline{\quad}$

$59 + 3 = \underline{\quad}$

$74 + 6 = \underline{\quad}$

$55 + 5 = \underline{\quad}$

$63 + 8 = \underline{\quad}$

$23 + 5 = \underline{\quad}$

$13 + 7 = \underline{\quad}$

$46 + 6 = \underline{\quad}$

$59 + 6 = \underline{\quad}$

$16 + 9 = \underline{\quad}$

$43 + 9 = \underline{\quad}$

$37 + 4 = \underline{\quad}$

$77 + 7 = \underline{\quad}$

☐

I did page 20

☐I decided to skip this page
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Name: _____

David was boasting. He said that he was the strongest boy in third grade. He said that he was the smartest, too. He didn't see the hole in the sidewalk. He fell and broke his nose. He went to the hospital at 3:21 p.m. He was there until 4:14 p.m. How long was he at the hospital?

Mr. Moore is going to the Grand Canyon. He wants to take a tour. Tim's Tours charges \$46 for a 3-hour tour. Tom's Treks charges \$70 for a 3-hour tour. How much more does Tom's Treks charge?

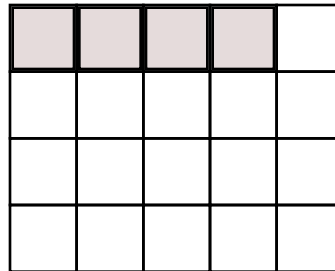
Amy went to Cullowhee Café and ordered a hamburger with lettuce, tomato, and mayonnaise on it, a small order of french fries, and a large drink. The total price was \$4.62. If she pays for her meal with a 5-dollar bill, how much change will she get?

List the first five multiples of 6.

What is the value of the BIG digit?

87,380

What fraction of the box is shaded?

5

Calculate the sum of 32, 4, and 12.

Write the fraction for 0.85.

If $k = 16$, then what does $k - 6$ equal?

Color in $\frac{1}{4}$.



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