

Name:	I did page 1 I decided to skip this page edHelper
A dive team was operating on the site of a wrecked submarine off the coast of New Jersey. The equipment they were using allowed them to go as deep as 110 feet. The submarine was at a depth of 83 feet. Some of the dive team had headed back to the surface because their air supply was running low. If they were 37 feet above the submarine, how far did they have to go to get to the surface?	Amy brought some donuts to school on Donut Day. By 10:00 a.m., $\frac{1}{2}$ of the donuts had been eaten. Since she wanted to take a few home, she gave $\frac{3}{4}$ of the remaining donuts to the people in the school office. What part of the original number of donuts did she give to the people in the office?
Zeeka has invented a new space vehicle to g friend's planet of Oomba. It is a fun ride! It o	·
go in 20 minutes?	
Change to a percent. 0.1  Write the ration fraction in low 4 robots to 9	vest terms. Change to a percent.



If v = -5 and m = 41 then what is 8v - 12m - 2m = ?

Simplify.

<u>5,400</u> =

Circle the percentage that is closest to 12 out of 77:

5%

54%

70%

If t = 6, c = -5, and d = 12then what is  $t \times c - d$ ?

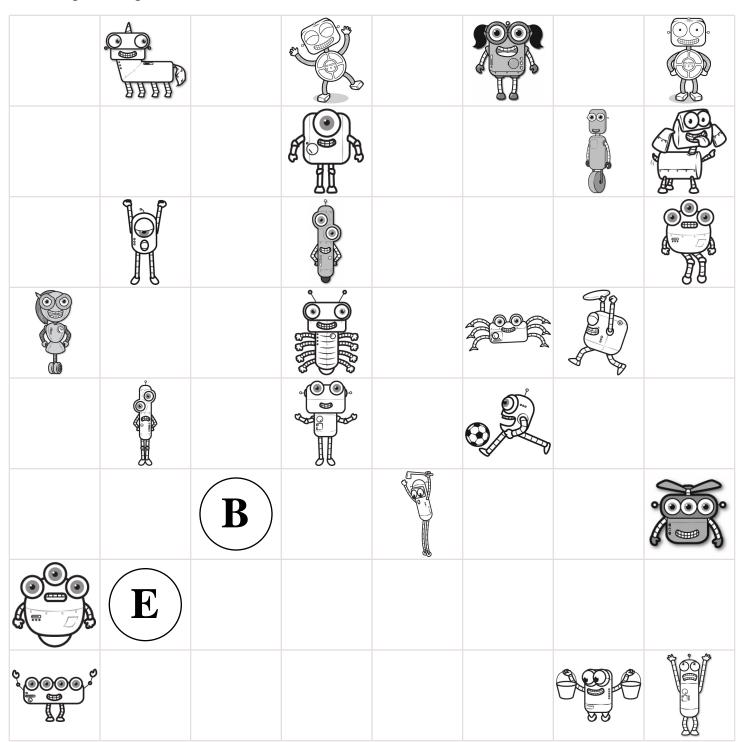
E, L, F, N, G, P, H,

\_\_\_\_, I, T, J, V

The letter V has an unknown value. If you multiply V by eight, the product is two. What value does V have?

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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.

Get a fidget spinner! Spin it.

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

What 5 coins add up to 38 cents?

How many centimeters in 840.4 meters?

It was 70 degrees outside. What would the temperature be if it got 27 degrees colder?

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

It was 9 degrees below zero in the morning. By afternoon the temperature rose 29 degrees. How warm was it?

(5 - 1) + 8

How many minutes is it from 8:00 a.m. to 10:40 a.m.?

A rectangle is 46 cm on one side and 14 cm on another side. What is the perimeter?

1+9+11-6

The diameter of a circle is 738 cm. What is the radius of this circle?

(118,587,876,497),

(6,975,757,441),

(24,137,569)

(1,419,857), (83,521),

(4,913), (289), (17)

43, 59, 75, 91,

\_. 123

Draw a number line with 0,  $\frac{1}{2}$ , and 1. Show where  $\frac{6}{7}$  would go. Is  $\frac{6}{7}$  closer to 0,  $\frac{1}{2}$ , or 1?

Polar bears are very large animals. An adult female polar bear is usually about 660 pounds. An adult male can grow to 18 feet tall and weigh up to 1,320 pounds! What is the difference between the two weights?

Ms. Floop was planning her garden plot. She had 20 feet of fencing to use, which would be needed to keep deer and rabbits out. What are the possible length and width combinations she could choose for her garden?

David was buying supplies for an end of summer pool party to be held at his neighborhood's recreation center. He purchased 8 packs of cookies for \$2.99 each, 5 bags of chips for \$1.89 each, and 30 sodas for \$0.47 each. How much money did he spend?

49, 56, 63, 70, 77,

\_\_\_\_, 91, 98, 105, 112

$$\frac{9}{18} \div \frac{1}{6} =$$

 $0.8 (0.2 (0.8 \times 8)) =$ 

The pirates took  $8 frac{3}{8}$  bars of gold and divided them up between 3 groups of pirates. How much of a bar of gold did each group get?

The astronomy club is sponsoring a double feature for the science fair. They have seven videos on the solar system. How many ways can club members choose two movies from the seven that are available?

The ratio of craft vendors to food vendors at the outdoor festival was 5 to 4. There were a total of 99 craft and food vendors at the festival. How many were food vendors? You may have to round your answer to the nearest whole number.

		I did page 6	I decided to skip this page edHelper
Name:			\$57
Only use a pencil to wr	ite the numbers on the b	olank <b>Ment</b> o	<b>Do it</b>
ines. You do not need	any scrap paper! Solve	it in Mat	in your
your head. If you forg	et a number, then start o	over.	head!
Cool, huh?			
imagine 9 in your head	imagine 6 in your head	imagine 4 in your head	imagine 3 in your head
multiply 9	multiply 9	multiply 6	multiply 11
add 6	add 6	subtract 7	subtract 6
	double it	add 3	add 4
	subtract 7		
	add 5		
Add the tens digit to the ones digit. Write the sum.	Write the hundreds digit.	Write the ones digit.	Write the even digit in your answer.
——————————————————————————————————————			
Wow! Great job!	A + B — — That's the answer, bu	the sum? + C + D  t do you know how to e	SPELL the number?
8 after 13 <u></u>	9 before 14	2 before 15 _	
6 after 16 <u></u>	6 before 16 _	8 before 18 _	_
9 after 12 <u></u>	4 before 12 _	3 before 13 _	

edHelper

Name:



In what quadrant would you find the point (-7, -10)?

Simplify.  $\frac{18}{30} =$ 

If y = 5 and g = -11 then what is 11y - 9g - 3g = ?



Name:	I did page 8 I I decided to skip this page edHelper
	1.75 mi
Write your own math problem here.	
Ask the person who helped you to try to solve your pro	oblem.

_	 •
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	currence

Cross off the number that does NOT belong.

5, 47, 14, 51, 23, 32, 55, 32, 59, 41, 63, 50, 67

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

Cross off the number that does NOT belong.

$$17\frac{40}{80}$$
,  $19\frac{20}{80}$ ,  $19\frac{36}{80}$ ,  $21\frac{16}{80}$ ,  $21\frac{32}{80}$ ,  $23\frac{12}{80}$ ,  $23\frac{28}{80}$ ,  $25\frac{8}{80}$ ,  $25\frac{8}{80}$ ,  $25\frac{24}{80}$ ,  $27\frac{4}{80}$ ,  $27\frac{11}{80}$ ,  $27\frac{20}{80}$ ,  $29\frac{16}{80}$ ,  $30\frac{76}{80}$ 

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

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Name:		
'You come here so often," said John, who is the owne mailing stuff out to parents to tell them about our store is and Sarah were excited. Of course, they would! Listore.  'We have to mail 100 letters, but I have no stamps," sai	e. Want to help?" .isa and Sarah made flyers for th	ne fun
office.  'Hi, can I help you?" said the person at the post office.  'We need to mail 100 of these," said Lisa.  'Let me measure it. Each of these letters weighs 3 oun-  first ounce and \$0.21 for each additional ounce that a	nces. Our mailing rates are \$0.50	) for the
How much will it cost to mail these 100 letters?		
Show your work.		

NT	I did page 11 I decided to skip this page edHelper
Name:	second the difference is 44
What are the two numbers?	second, the difference is 11.
Fill in the blanks with >, =, or the < sign.	
-7	35
-560	-10,100
40	-8
6704,7	700,000

	I did page 12	I decided to skip this page edHelper
Name:		

Sarah performed an analysis on some water from Bigtown Lake. She tested three samples and found the lead concentrations to be in parts per million (micrograms per milliliter or mg per liter) to be 1.015, 0.034, and 1.033 respectively. What was the average mass of lead? Round your answer to the nearest thousandth.

Justin was using an electronic tuner (of his own design) to check the tuning of his cousin's guitar. He had previously tuned the guitar using a tone on a recording so that the A string vibrated at exactly 440 Hz (440 cycles per second). Now when he checked it using his tuner, the tuner indicated that the string was vibrating at 441.8 Hz. Assuming the string was actually tuned to 440 Hz, what was the percent error in his tuner? Round your answer to the nearest hundredth of a percent.

Scientists estimate that the average annual temperature in Bigtown has increased by one and three tenths percent over the past century. If the current average annual temperature in Bigtown is 18.2°C, what must the average temperature have been 100 years ago? Round your answer to the nearest hundredth of a degree.

There are 18 players allowed on the Super City softball team for tournament play in the league. So far, 7 players have been selected. How many more need to be selected?

ame: The bloc	k below is th	e sum of the	e two blocks	s above. Fill	I did page  in the missing		ded to skip this edHelp
18.3	9.1	14	7.7	5	12.6	8	3.9
					2	0.6	
		•					
							_
		·					
			111	45			
				3 1 3			
		,	7	1 2	'		
			15 2			_	
				30			
low many i	nches are in 2	feet?		Circle the	digit in the h	nundredths p	olace.
	inches			126.62			

$$0.5(0.6(0.5 + 3)) =$$

$$t - 7 + t = 23$$
  
What is the value of t?

$$10.4352 \times 10^3 =$$

Rewrite 
$$\frac{31}{100}$$
 as a decimal.

$$(3 + 13) + 10 = 2(v + 8)$$

What is the value of v?

The letter p is used to represent power points in a game, which can range from 526 to 1,936 points. Express this as an inequality.

The angles in a quadrilateral measure 122°, 103°, 105°, and y°. What is the value of y?

The unknown value x is a multiple of 3, is greater than 105, and it is divisible by 16. What can be the lowest possible value of x?

Each side of a regular pentagon is 37.4 centimeters. What is the perimeter?

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What is the greatest common factor of the numbers 36 and 84?

Sixth Grade

$$9 \times 9 \times 9 \times 9 \times 9 = x^5$$

What is the value of x?

$$|-10| + w = 17$$

w =

j =

Find the least common denominator for the fractions  $\frac{11}{14}$  and  $\frac{1}{8}$ .

Rewrite  $\frac{24}{25}$  as a decimal.

Write as an algebraic expression.

 $_{44}$   $_{\overline{15}}$  multiplied by the sum of h and d

$$2 \times 2 \times 2 \times 2 \times 2 = Z^{y}$$

What is the value of Z and y?

$$11 + 8 \cdot 8 + 3$$

464 ÷ 10

p =

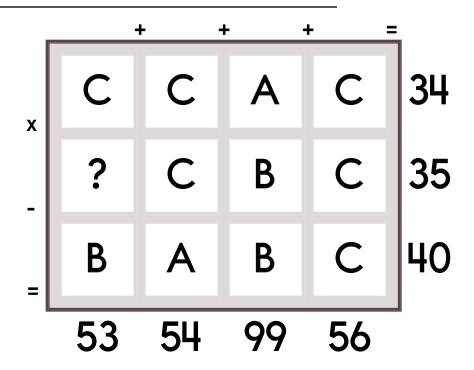
What is the remainder of 59 divided by 9?

t - 17 + 14 = 26 What is the value of t?

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Sixth Grade

Name: \_\_\_



## **Equations and Hints:**

Each letter is a whole number.

Fill in the equations using the chart:

$$C \times C - A = 54$$
 \_\_ + C + A + C = 34

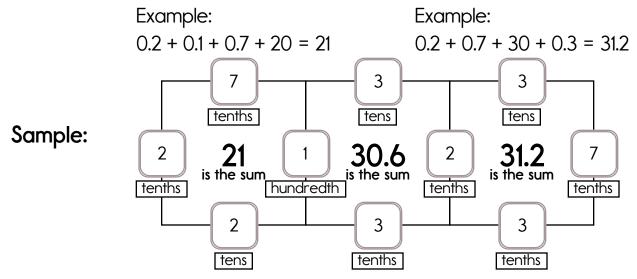
Additional hints:

$$B = C + 3$$
  $A > 3$ 

Solve:

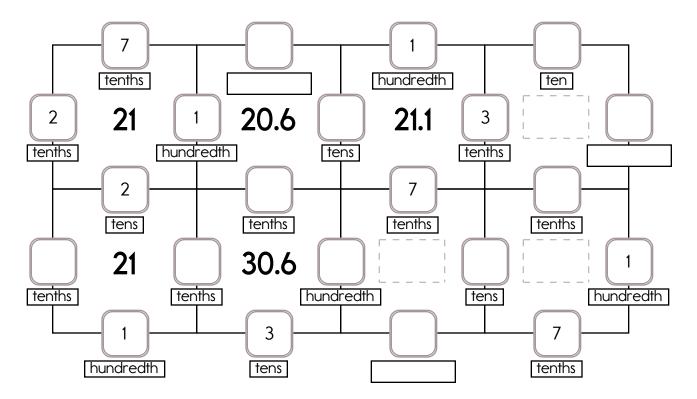
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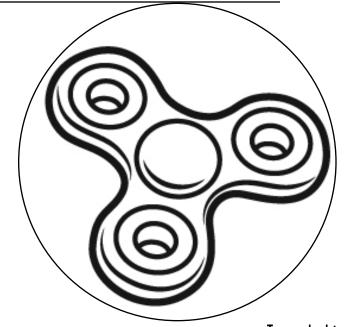
This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.



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 ten, 3 tens, or 2 tens.

The other three numbers have to all be DIFFERENT and must be from these: 7 tenths, 2 tenths, 3 tenths, or 1 hundredth.





How many times do you need to spin?

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

Spin fidget spinner. Quick!

 $5 \times 6 + 9 =$ 



How many times do you need to spin?

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

Spin fidget spinner. Quick!

 $1 \times 7 \times 6 =$ 

7 x (3 x 2) = \_\_\_\_\_

 $2 \times 4 \times 6 + 6 =$ 

 $7 \times (7 + 4) =$ 

11 + 11 + 8 = \_\_\_\_

Write as a fraction in simplest form.

$$\frac{3}{4}$$
 +  $\frac{5}{12}$  +  $\frac{1}{8}$  =

$$\frac{2}{5}$$
 +  $\frac{1}{6}$  +  $\frac{1}{10}$  =

$$\frac{3}{4}$$
 +  $\frac{1}{12}$  +  $\frac{1}{2}$  =

Round the decimal 0.545 to the nearest hundredth.

How much time is it from 6:00 a.m. to 11:40 a.m.?

63 divided by 7 equals

How many centimeters in 8.6 meters?

How many meters are there in 191 kilometers?

Estimate quickly the difference. 5,130 - 2,290

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Sixth Grade

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Name: \_

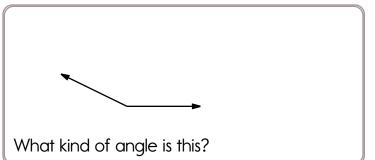
Show the steps to solve  $9(32 + 7 - 18) + 944 \div 2 \times 11 \times 12$ 

**Parentheses** 

**Exponents** 

Multiplication & Division (or Division & Multiplication!)

Addition & Subtraction (or Subtraction & Division!)



Sketch 2 lines CD and TU that are intersecting.

The diameter of a circle is 1,114 cm. What is the radius of this circle?

15, 17, 19, 21, 23,

\_\_\_\_, 27

How much money is 1 quarter, 9 dimes, 1 nickel, and 1 penny?

68,955 + 37,794 = \_\_\_\_\_

1 km = 1,000 m

21 km = \_\_\_\_\_ n



<b>.</b>	I did page 22 I decided to skip ed	this page Helper
Name:  Sally just finished a season pitching for the National Pengusoftball league. Her contract pays her \$15,000 for the year Run Average, or ERA, is below 2.50 she earns an extra \$7 extra \$2,500. ERA is calculated by this equation: (earned repitched).  She pitched a total of 105 innings and gave up 32 earned How much money did she earn this year?	ear as the base salary. If her Earne 7,500. If it is below 3.50 she earns or runs times 9) divided by (innings	
Show your work.		

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Find 2 equations hidden in each box. Good luck!

96 x 3

98

288

130

31

Write 2 equations:

Write 2 equations:

Write 2 equations:

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Find 2 equations hidden in each box. Good luck!

68	37	64	33 x 1	,	89 x 4
43 +	9	8 -	+ 10	68 + 6	
276			-1 <b>1</b>	106	
8	+ 98	•	74	58	2
585		27	7 x 7	20	J
Write 2 equation	s:				

87 + 23 37 + 53 26 + 46 107 258 330 38 109 72 82 19 x 5 828 74 x 7 90 Write 2 equations: edHelper.com/sixth\_grade.htm

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Name: _									edH
87 <u>10</u>	+59				+34		- 1 3		
		- 1 8		-13				+57	
							+ 2/3		
+ 1/12		+8 7 12		+ 2/3		-7			
				181 1					
+28				-18		+5 1/12			
	+9		+6 7/8				-14	244 1	
					•	]			
32 1/12	+53		-22		-2 <del>-3</del> -4		+57		

$$68\frac{1}{12} + \frac{9}{12}$$

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

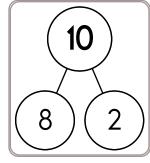


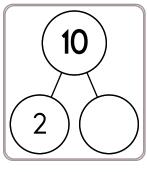
How many times do you need to spin?

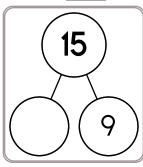
I needed to spin \_\_\_\_\_ time(s) to finish the page.

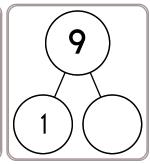
Spin fidget spinner. Quick!

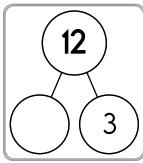
5 + 5 = \_\_\_\_











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Paul's axe was getting old and was not cutting very well. He paid \$9,344.88 for a new one. (Such big axes are very expensive!) He paid for the axe with 94 \$100-bills. How much change did he get?

Ms. Miller bought  $\frac{1}{2}$  of a bushel of zucchini to put on her neighbor's porch. The zucchini cost \$24.78 per bushel. She also bought a basket for \$6.97 and 2.75 yards of ribbon at \$0.83 per yard. Her neighbor was very pleased with the pretty basket of zucchini. How much did Ms. Miller spend?

The East Jackson Public Library celebrated Library Lovers Month by giving a book to each elementary student who read at least 10 books during the month. At the end of the month, 69 students had earned books. At a cost of \$10.30 per book, how much will it cost to give each student a book?

Girls' Day is held on the third day of the third month in Japan. Boys' Day is celebrated on the fifth day of the fifth month. This day is also called Children's Day. How many days after Girls' Day does Children's Day occur?

Jason reads very fast. Sometimes he isn't sure what he has read, he reads so fast. He can read 5.3 pages in 0.15 hours. How many pages can he read in 2 hours? Connor bought 15 packages of hot dogs for the National Hot Dog Month picnic. Each package weighed 14 ounces. How many pounds of hot dogs did he buy?



