

Play Math on your Computer or Phone

On your computer: edHelper.com/math-games.htm On an iPhone/iPad: Get the edHelper app



Your class code:

Try to play for at least 4 days this week.

Start the math game by picking: Play Sixth Grade Math (no skill selection)

Day You Played	Points at End
	-
-	-
-	
_	-
I played days this v	week.



	I did page 1		I decided to skip this page edHelper
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Fill in each box of the edHelperKu puzzle, using the numbers from 1 to 6.

Every row must contain the numbers 1, 2, 3, 4, 5, and 6.

Every column must contain the numbers 1, 2, 3, 4, 5, and 6.

In a cage with a plus sign, the given number will be the sum of all the digits in the cage.

In a cage with a subtraction sign, the given number will be the difference. The largest number will always be the box with the clue.

9+	5+	13+	6		5
		10+	2-	6+	5-
		6			
1	9+	4-	2-	4-	
5				11+	
1-		3	3+		4

Fill in the blanks. These equations are from the puzzle above.

$$1 + = 5$$

	I did page 2	I decided to skip this page edHelper
Name:	_	-
Jessica opened a pretend bank, but she had no deposits! She put up a sign on her door: "Deposits wanted. If you deposite, and I will add a nickel for each day you let me keep it Her sister, Charlotte, was excited. "Is the bank open? I'd like "Great," said Charlotte. Jessica took the money. Then she go read the receipt and noticed the fine print: "Withdrawals confour weeks later Jessica was going to the mall with her friend withdrawal all my money." "Here is \$27.45," said Jessica. How much money did Charlotte start out with?	." e to make a de lave her sister ost forty-five ce	posit." a receipt. Charlotte ents."
Please show how you found your answer.		

Name:	I did page 3 I decided to skip this paged Helper
Mr. David has created a new machine that takes water and it can make curly popcorn. Yummy! He can make 3 cups of popcorn with his machine every He wants to try to make 75 cups for a party. Assuming how long do you think this will take? Let's give him a 2-minute break every 10 minutes also, so	y 30 seconds. his machine will last (Don't worry, it won't!)
Show your work.	

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Which two of the fractions have a difference of $\frac{1}{6}$?

6

 $\frac{1}{2}$

<u>2</u>

8

<u>4</u> 5

It is 8 a.m. and the animals are waking up. In exactly 8 minutes, Emily will screech. Emily will then screech every 8 minutes until 10 a.m.! To make matters worse, in exactly 17 minutes, Adam will screech. Adam will then screech every 17 minutes until 10 a.m.! How many times will both of them be making noise at exactly the same time?

The groundhog must feed her young so they can grow and be healthy. If she brings fifty berries back to the burrow to feed her young and they only eat half of them, how many berries did they eat?

each week. How much more money does the club need to raise to feed the cub for one month (four weeks)?

12 bags in a box. Each bag contains 5 ropes of red licorice. How many ropes are there in a case?

 $30 \div 6 \times 12$

Rewrite $\frac{17}{100}$ as a decimal.

(0.6)(0.13)

The expert recommended that Mr. Walker have at least 2,500 square feet of pasture for each mule in his herd. Mr. Walker's pasture is 750 feet x 800 feet. What is the maximum number of mules the expert would recommend for Mr. Walker's pasture?

Jessica made a cake for Parent's Day for her mother and father. She used $2\frac{1}{4}$ cups of flour, $\frac{1}{2}$ of a cup of sugar, $\frac{1}{4}$ of a cup of cocoa, and $\frac{1}{4}$ of a teaspoon of cinnamon. What is the total quantity of dry ingredients Jessica used in her cake?

Farmer Ochoa produced $2\frac{1}{2}$ times as much corn this season as he did last season. What was this season's production compared to last season's, expressed as a percent?

 $3 \times 3 \times 3 \times 3 \times 3 = Z^{y}$

What is the value of Z and y?

Each side of a regular pentagon is 87.6 centimeters. What is the perimeter?

|-10| - p = 18 p =

Justin used 9 cups of sand to build his sandcastle. Then he decided he wanted to add a wall. He used a total of 13 cups of sand. How many cups did he use to add the wall? Write an equation and solve it.

There were 2376 goldfish in the Bigtown University research pond. If 39% of them were less than 1-inch long, how many were greater than 1-inch long? Round to the nearest whole number.

Emma procrastinated studying until 5 minutes before the spelling test. As a result, she only spelled 2 out of 5 words correctly. There were 20 words on the test. How many did she spell correctly?

word root ize can mean to make or to act

memorize, recognize, vocalize

Name:			I did page 7	I decided to skip this page edHelper
Sara built a new co antique radios. The inches wide and 11.9 doubles the length area be? Round you hundredth.	front of the cab 5 inches high. If sl and width, what	inet is 8.8 cow he He h will the ingre	root beer float so ad sold 419 floats o edients for the floo	down his daily black ales for the last week. at \$2.20 each. The ats cost \$1.12 per float. e make last week?
Which two of the	se numbers have	e a product of 4.15	8?	
0.47	0.047	0.054	7.7	
0.077	4.7	0.54	0.77	
There are 3 prim	e numbers great	er than 35 but less	than 45. Name th	nem.

word root **plasto** can mean **molded plastic** edHelper.com/sixth_grade.htm



How many times do you need to spin?

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

Spin fidget spinner. Quick!

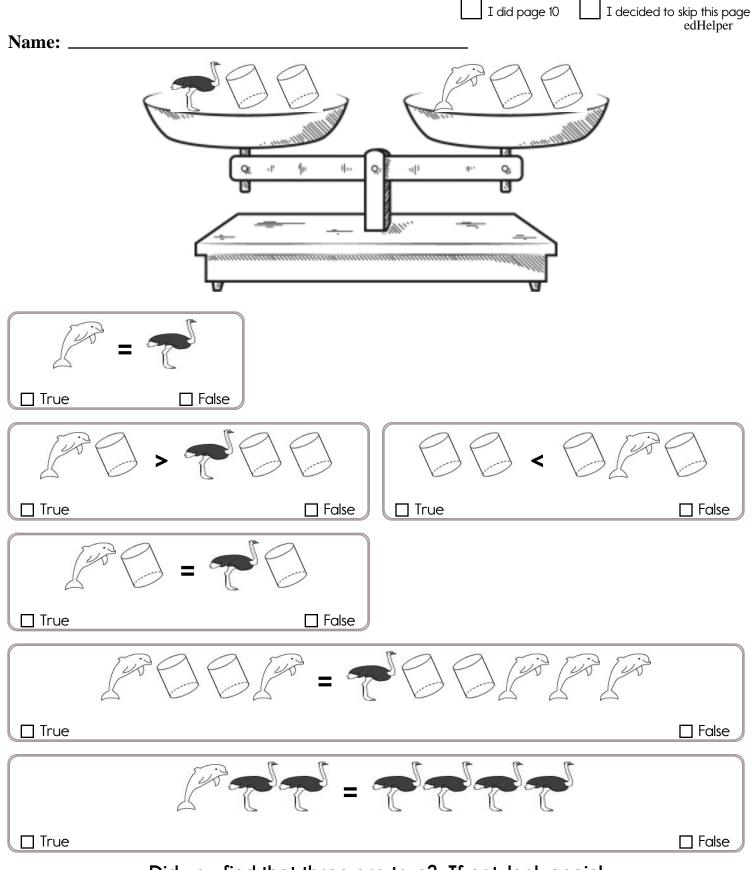


How many times do you need to spin?

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

Spin fidget spinner. Quick!

$$11 + 9 \times 6 =$$



Did you find that three are true? If not, look again!

Hint: If you see the same pieces on both sides, you might need to remove both pieces.

You should only mark TRUE if you are absolutely sure it is correct!

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N	0.700.0	
N	ame:	

What's in the Box?

Read the words on the left then match the letters with the correct synonyms in the clues. Put the clues together and solve the mystery of what is in the box.

A =brutal	Clue 1:	botch	harsh	equip	judgment	happy	smile	frantic
B =typical		<u>g</u>	<u> a </u>					
E = jubilant	CI O			c				
F=notch	Clue 2:	vital	harsh	frantic	happy	equip		
G =bungle								
L =interior	Clue 3:	follow	harsh	cut	hanny	frantic	destroy	
M=decision	Ciue 3.	TOllOW	TIQI SIT	Cui	happy	II GI IIIC	desiroy	
N=beam				-				
O =information	Clue 4:	usual	data	harsh	frantic			
R =outfit	Clac I.	asaai	dara	TIGI 3I I	ii di iiic			
S=track								
T =frenzied	Clue 5:	harsh	cut	inside	data	harsh	frantic	
W =critical		-	-					
Y =demolish								

What's in the Box?

2,624 - 1,478 = _

For 964,844,743,438,682, write the digit that is in the ten thousands place.

Pick a month. Can you make up a calendar for your month with five Wednesdays? Show your calendar below:





word root **cephalo** can mean **head**

cephalopod, encephalitis

Get a fidget spinner! Spin it.

What is the remainder of 48 divided by 5?

$$\frac{3}{5} \div \frac{9}{20} =$$

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

What is the area of a rectangle with a length of 18 centimeters and a width that is $\frac{1}{2}$ the length?

Dr. Rock discovered a new planet. As he explains it, this new planet has a diameter that is 3.32 times that of Earth's. If Earth's diameter is 12,756 kilmeters. What is this new planet's diameter?

Crazy Gavin had pizza 25 days in the month of October. What percent of the month did he have pizza?

The angles in a quadrilateral measure 104°, 90°, 90°, and v°. What is the value of v?

 $0.7(0.4(0.7 \times 3)) =$

Sarah climbed 7 meters in only 14.9 seconds. How many meters did she climb per second?

Spin again.

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

Circle the percentage that is closest to 27 out of 52: 5% 73%

Circle the least amount: 32% 0.49

<u>6</u> 25 |-14| - s = 9 | s =

431 ÷ 10

C, F, ____, L, O, R, U. X

What is the value of v?

(2 + 15) + 5 = 2(v + 8)

In what quadrant would you find the point (7, -5)?

Simplify.

 $\frac{7,000}{10,500} =$

 $9.1388 \times 10^{4} =$

Write as an algebraic expression.

504.7 divided by the sum of p and z

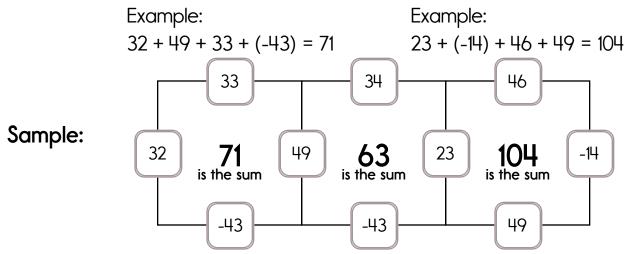
At the dive meet Max received scores of 6.6, 8.8, 8.9, 7.2, and 9.3. The largest and smallest scores were dropped and the rest were averaged for a final score. What is the final score Max received?

A circle graph has five sections. Only four sections are labeled. The labels are 25%, 15%, 7%, and 4%. What should the missing section be?

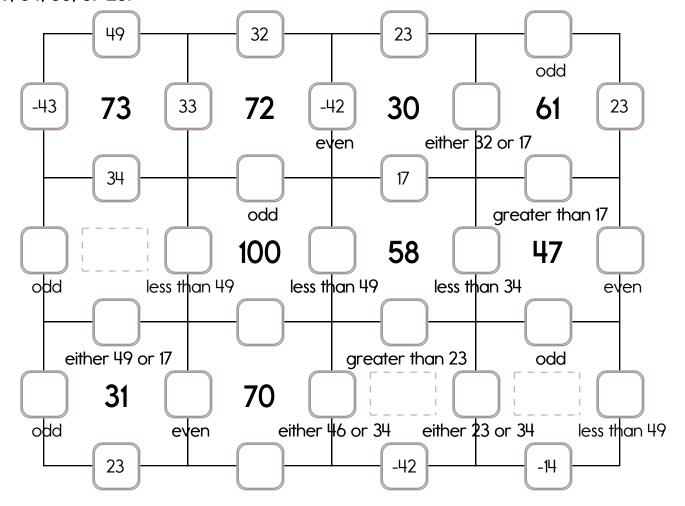
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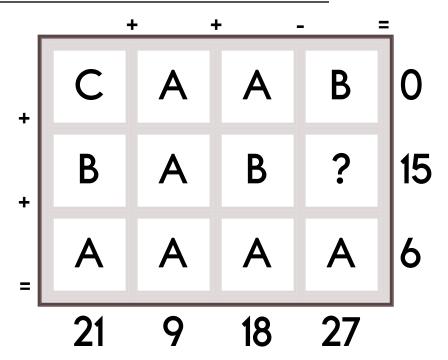
Mental break. Time to use a pencil for this more challenging page. Good luck!

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



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: -43, -14, or -42. The other three numbers have to all be DIFFERENT and must be from these: 46, 32, 17, 49, 34, 33, or 23.





Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

$$C + B + A = 21$$
 $C + A + A - B = ___$

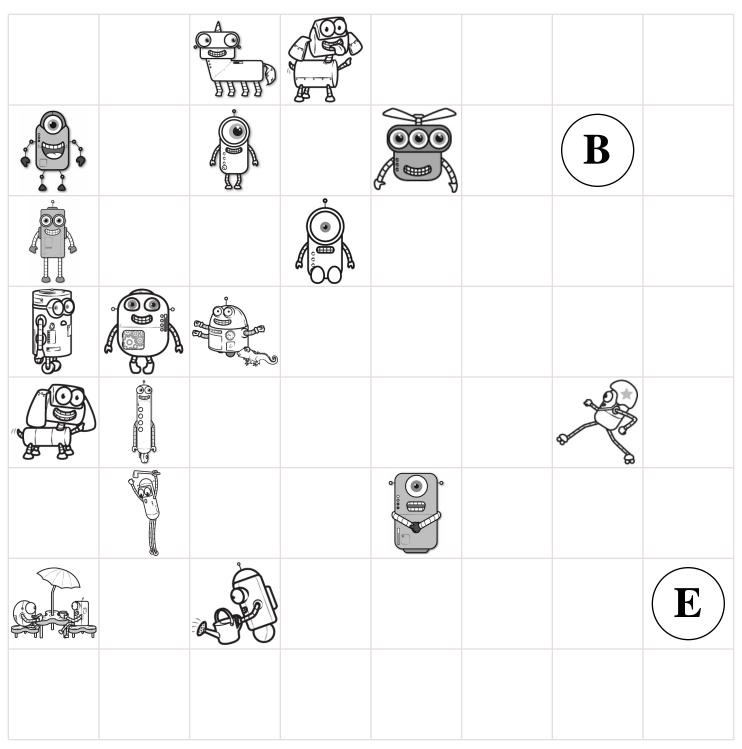
Additional hints:

$$B = A + 9$$
 $A < 4$

Solve:

	I did page 16	I decided to skip this page edHelper
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.



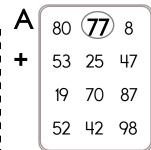
Didn't get them all? That's ok. This was hard. I missed only _____ robot/robots.

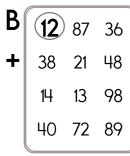
		I did page 17	I decided to skip this page edHelper
Name:			\$\$77000
Only use a pencil to wr	ite the numbers on the b	olank Ment o	
ines. You do not need	any scrap paper! Solve	it in Math	in your
your head. If you forg	et a number, then start o	over.	head!
Cool, huh?			
imagine 2 in your head	imagine 8 in your head	imagine 8 in your head	imagine 8 in your head
add 8	double it	multiply 2	multiply 10
multiply 9	subtract 9	subtract 9	add 9
	add 6	add 4	subtract 6
	add 3	double it	subtract 7
		add 6	double it
Write the ones digit.	Write the tens digit.	Add the tens digit to the ones digit. Write the sum.	Write the ones digit.
		$\begin{bmatrix} & -C & -D \end{bmatrix}$	
		the sum? C + D + E	
Wow! Great job!		it do you know how to	SPELL the number?
8 after 12 <u></u>	7 before 16 _	9 before 17 _	
7 after 13	4 before 11 _	2 before 15 _	
6 after 11 <u></u>	1 before 13 _	3 before 18 _	

	I did page 18 I decided to skip this page edHelper
Each box needs a number from One set of sums has been done	n 1 to 9. You may re-use numbers.
Sum of 13 Sum of 5 Sum of 5 Sum of 5 Sum of 10 Sum of 1	sum of $4 \rightarrow 6 \downarrow 7 \downarrow 5 \downarrow$ sum of $4 \rightarrow 6 \downarrow 7 \downarrow 5 \downarrow$ sum of $4 \rightarrow 6 \downarrow 7 \downarrow 5 \downarrow$ sum of $4 \rightarrow 6 \downarrow 7 \downarrow 5 \downarrow$ sum of $4 \rightarrow 6 \downarrow 7 \downarrow 7 \downarrow 5 \downarrow$ sum of $4 \rightarrow 6 \downarrow 7 \downarrow 7 \downarrow 7 \downarrow 7 \downarrow$ sum of $4 \rightarrow 6 \uparrow 7 \downarrow 7 \downarrow 7 \downarrow 7 \downarrow$ sum of $4 \rightarrow 6 \uparrow 7 \downarrow 7 \downarrow$ sum of $4 \rightarrow 6 \uparrow 7 \downarrow$ $4 \rightarrow 6 \rightarrow 7$
Can 504 be evenly divided by 12? Circle:	- Julie
504 is evenly divisible by 12 504 is NOT evenly divisible by 12	36 ÷ 4 =
How many ounces are in 6 pounds?	

ounces

Ready to make equations? There is a missing equation in each box. Circle the numbers once you find it!





Find an addition fact.

Equations:

Write the equation facts you found.

Α

	+	
	+	12
64	+	

60 ÷ 5 =	

Make a decimal number. Start with a zero and a decimal point. Then use these numbers: 9, 4, 6, 6, and 7. Make three different decimal numbers. Put your theee decimal numbers in order from largest to smallest.

=

=

=

77

1 cm = 10 mm

8 cm = _____ mm



8	- 1 3	
		+22

+28

$$-5\frac{5}{6}$$

$$+\frac{8}{9}$$
 83 $\frac{5}{9}$

$$+6\frac{3}{12}$$

+1

$$9\frac{11}{12} + 27$$

$$-\frac{2}{3}$$

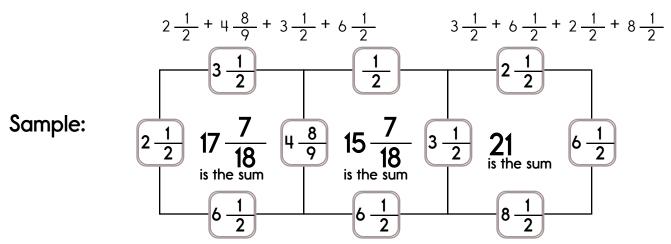
Name:	I did page 21 I decided to skip the edH	his pag [elper
Emily bought a new house. The first thing she wants to do is "You sure you don't just want to paint it?" asked her brothe "No, I found beautiful wallpaper at the hardware store," she bought 6 rolls that are each 10 meters long and 1 meter brother looked at it. "Yuck! However, it's your house. I'll Her room is a square. It is 10 meters long, 8 meters wide, as Any idea if she has enough wallpaper, or will she need to g	er. ne replied. er wide. I be happy to help put it up." nd 2 meters high.	om.
Show your work.		

me:	I did page 22 I decided to skip edH
Complete each pattern. Write what the rule is.	
81724, 24817, 17248,,	, 81724, 24817,
17248, 48172, 72481, 81724, 248	817, 17248, 48172
624514, 146245, 451462, 624514, 146245,	
146245, 451462, 624514, 146245, 45146	62, 624514,
Complete each pattern. Write what the rule is.	
289, 252, 218, 187, 159, 134, 112, 93, 77	7, 64, 54,, 43, 42
204, 173, 145,, 79, 63, 50	0, 40, 33,,

		I did page 23 I decided to skip this p
Name:		edHelper
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 spo
The fir	rst one is already done for you.	Good luck.
Draw exactly 8 lines.	Draw exactly 7 lines.	Draw exactly 8 lines.
Start on 1.	Start on 1.	Start on the square.
Do not pick up your pencil.	Do not pick up your pencil.	Do not pick up your pencil.
5-9-6	3 4	
	4	<u> </u>
	2 4	
<u> </u>	1	}
4 4 4 1	8 /	
Ψ: φ:	264	
4 3 3	2 6	♥ ■
8-7	2 6 1 1 1	
1 1	6 5	
1 1 1 1 1 1 1 2 1	iiiii	
Draw exactly 6 lines.	Draw exactly 8	? lines
Start on the square.	Start on the sa	
Do not pick up your pencil.	Do not pick up	
}		

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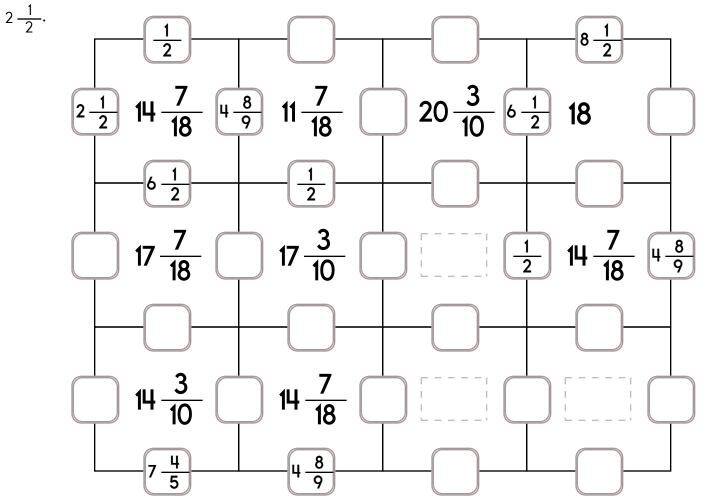
This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.



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: $8\frac{1}{2}$, $4\frac{8}{9}$, or $7\frac{4}{5}$.

The other three numbers have to all be DIFFERENT and must be from these: $\frac{1}{2}$, $3\frac{1}{2}$, $6\frac{1}{2}$, or

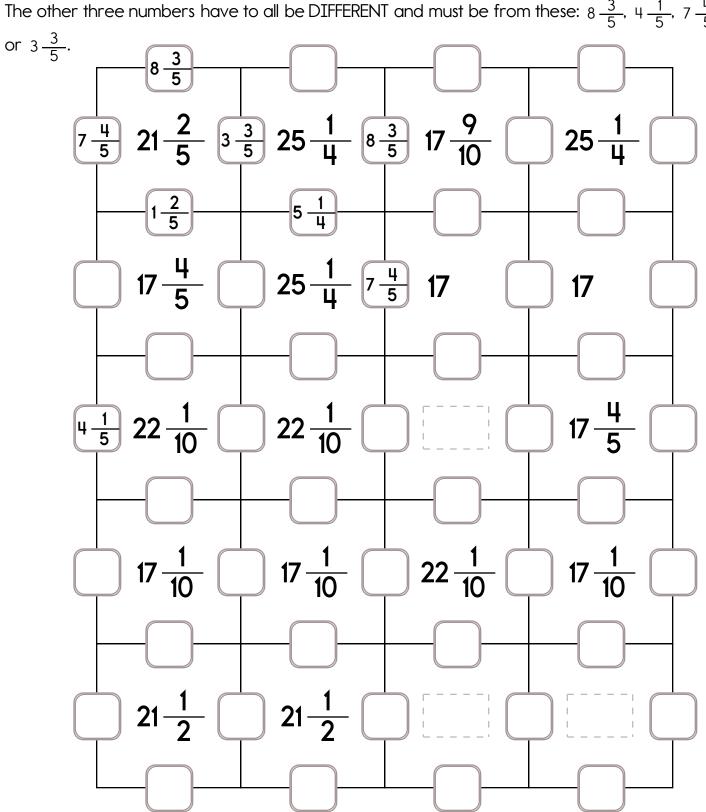


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		edHelper

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: $1-\frac{2}{5}$, $5-\frac{1}{4}$, or $1-\frac{1}{2}$.

The other three numbers have to all be DIFFERENT and must be from these: $8\frac{3}{5}$, $4\frac{1}{5}$, $7\frac{4}{5}$,



I did page 26 I decided to skip this page edHelper
"Hey, Ted!" called out his friends. But Ted didn't reply. He was texting. They don't call him
Texty Ted for nothing! Ted sends an average of 37 texts in only 3 minutes. At precisely
3:23 Ted finally sat down outside of school to play his phone. He played his phone until 3:55
when his phone ran out of power. How many texts do you think Texty Ted sent?
Emily got a summer job working on an app where people post pictures of their pets. This
week they had 1,000,000 pictures posted. Of those pictures, 67% were dogs. How many
pictures of dogs did they get this week?
Rewrite this mixed number as an improper fraction.
6 7/9

(15,625), (3,125),

_____, (125), (25),

(5), (1), $\frac{1}{5}$

How many meters are there in 77 kilometers?

42, 46, 52, 60, 70, 82,

_____, 112, 130, 150, 172

12 - 1 x 7 - 2

How many minutes is it from 9:00 a.m. to 10:45 a.m.?

260, 273, 286, 299, 312,

____, 338, 351, 364

(5 + 8 + 4 + 6) =

Circle the least amount:

36%

0.33

<u>3</u> 25 Simplify.

 $\frac{9,600}{24,000} =$

Convert $_{78} \frac{6}{7}$ to an improper fraction.

What is the mode of the following number set?

65, 57, 70, 55, 64, 63, 59, 71, 56, 61, 68, 60

12b - 25.9 = 70.1

b =

0.3 x 0.09

Rewrite $\frac{83}{100}$ as a

decimal.

y = x + 17 y = 27What is the value of x?

edHelper.com/sixth_grade.htm

Sixth Grade



