

Name: _____

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.

22+		5	15+	7+	
			5	14+	
5	3+				
5+		10+			9+
	5	9+		12+	
4	6+	3			

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

$$\underline{\quad} + 4 = 10$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + 5 = 22$$

$$\underline{\quad} + 3 + \underline{\quad} + \underline{\quad} = 14$$

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

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

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

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

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

$$\underline{\quad} + \underline{\quad} + 5 = 12$$

$$5 + \underline{\quad} = 9$$

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Mental Math



- Start with the number of legs on 7 chickens.

14

- Add the digits in your number. The sum of that is your new number.

3 0 5 1 6 7 9 9 8 6 (Circle your answer to double check you are correct.)

- Add the number of cups in 2 quarts.

7 9 3 5 1 3 1 3 8 1

- Increase that number by 23.

3 6 2 6 8 6 7 7 3 1

- Add the number of ounces in 1 pound.

5 8 4 6 7 6 5 2 3 2

- Round to the nearest ten.

6 6 1 7 4 5 0 5 9 1

- Add 20.

1 1 8 7 9 0 4 7 0 9

- Divide by 10.

6 7 9 1 7 2 2 5 1 3

- Add half of 34.

1 5 2 2 4 0 6 3 3 6

- Add 46.

7 1 5 6 9 5 6 7 0 1

- Divide by 10.

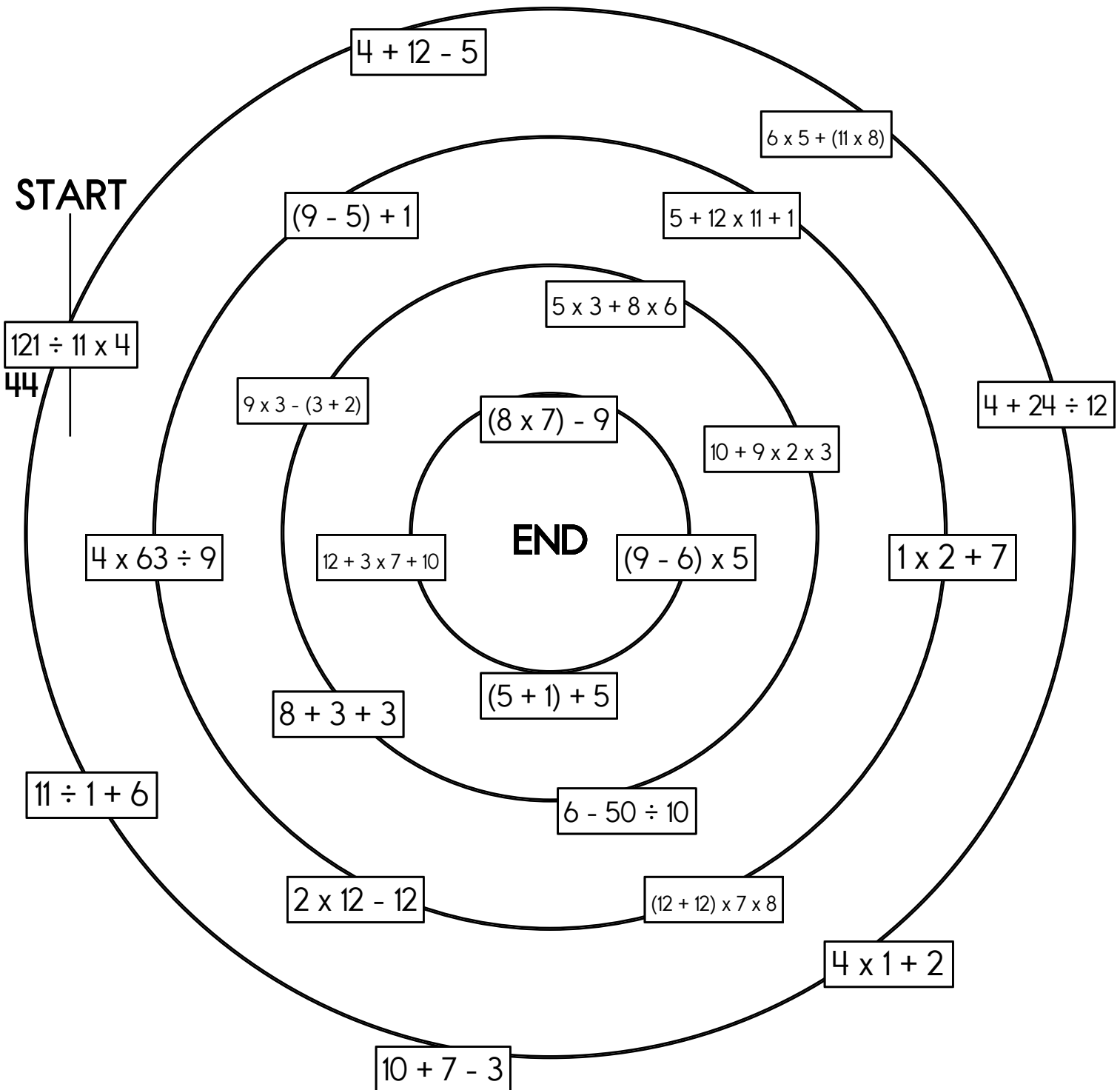
7 3 7 8 5 4 8 6 4 9

11

9

64

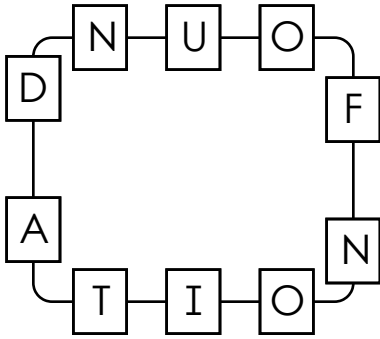
START



Name: _____

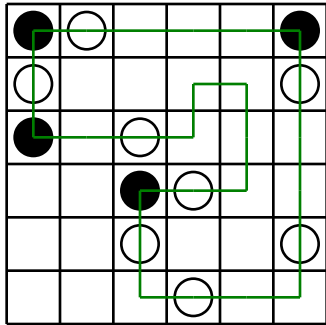
<p>Mary is making milkshakes. She needs $1\frac{2}{3}$ cups of milk. Her measuring cup only measures $\frac{1}{3}$ cup. How many times will she have to fill the cup to have $1\frac{2}{3}$ cups of milk?</p>	<p>Central City bought 4,085 red and white carnations to decorate the town square for the Shortest Month Festival. Workers put $\frac{1}{10}$ of the carnations on the tables and $\frac{1}{2}$ of them on the bandstand. How many carnations did they have left to put around the entrance?</p>	<p>The fourth grade class was playing the fifth grade class a game of Five Dollars. The first team to reach 600 points would win. The fourth grade class has 37% of the points they need to win. How many more points does the fourth grade class need to win?</p>
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Fill in the missing letters. Write ee or ui.			
lang_____sh	reind_____r	goalk_____per	g_____tar
q_____et	s_____k	engin_____r	sp_____dily

<p>Sarah rolls two dice. She adds the numbers on the two dice. What is the chance of this sum being nine?</p>	<p>Write the hidden word. Start at one letter and then move either left or right.</p>  <p>_____</p>	$\begin{array}{r} 679 \\ - 555 \\ \hline \end{array}$
<p>Amanda rolls a die. What is the chance of her rolling a 3?</p> <p>_____</p>		$\begin{array}{r} 52 \\ - 18 \\ \hline \end{array}$

$669 - 282 =$ _____

Name: _____

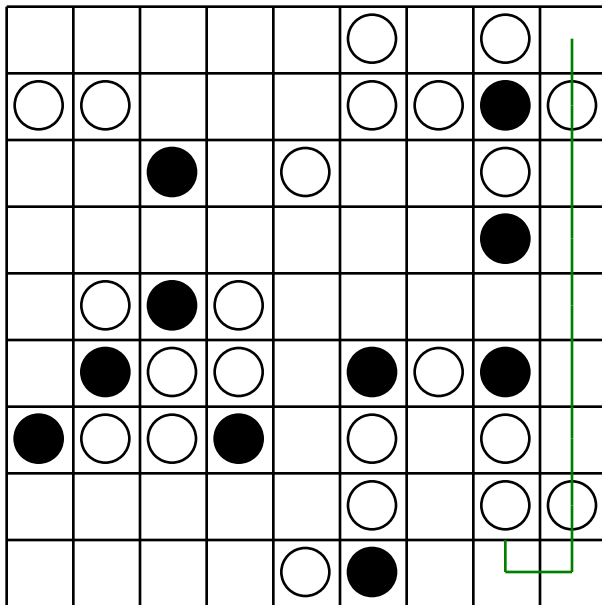


Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.

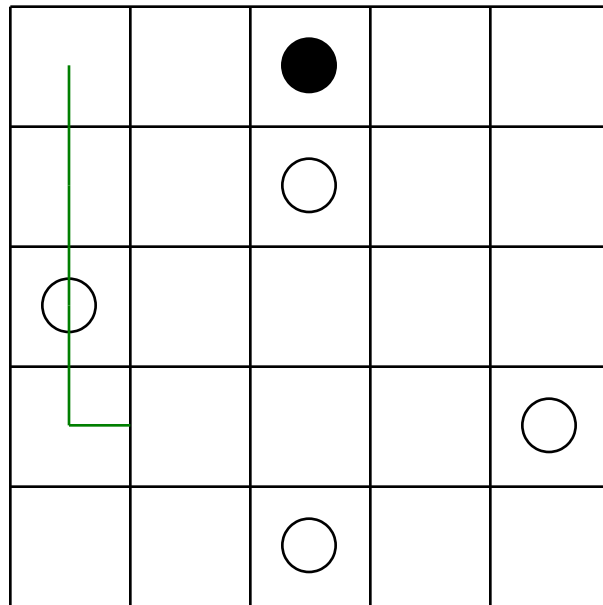
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

The puzzle on the left shows a correct line going through all the circles.

Finish the line:



Finish the line:



Can 276 be evenly divided by 12? Circle:

276 is NOT evenly divisible by 12

276 is evenly divisible by 12

$$12 \times 2 = \underline{\hspace{2cm}}$$

$$8 \times 2 = \underline{\hspace{2cm}}$$

$$7 \times 10 = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 23 \\ + 41 \\ \hline \end{array}$$

You can buy 2 toys for \$4 at the store. At this rate, what would be the cost of six toys?

$$120 \div 10 = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 293 \\ + 228 \\ \hline \end{array}$$

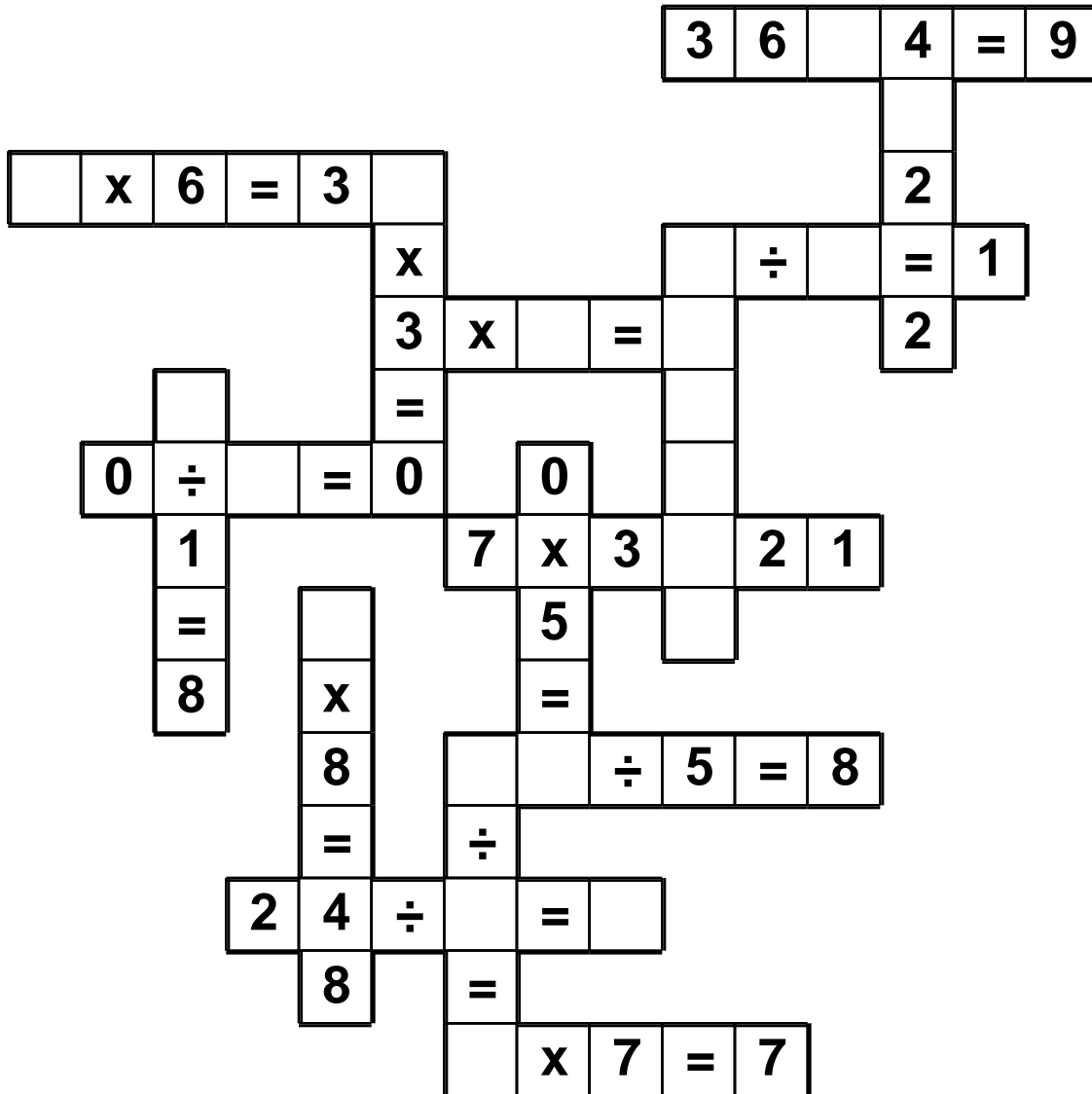
Name: _____

<p>Can 853 be evenly divided by 5? Circle: 853 is evenly divisible by 5 853 is NOT evenly divisible by 5</p>	<p>Fill in the missing operations to complete this equation:</p> <p>20 ____ 40 ____ 39 = 21</p>	
	<p>For 3,308,739,905,945, write the digit that is in the hundred thousands place.</p> <p>_____</p>	
<p>$88 \div 11 =$</p>	<p>Three girls ran a race. Ava was not as fast as Jessica. Jessica ran past Erin in the race and Erin never caught up. Who won the race? Do you have enough information to know?</p>	
<p>You have four digits to use in an addition problem: 1, 6, 6, and 1. Make up a problem where you have two 2-digit numbers. What is the largest sum you can make?</p>		<p>In the number 509,964,956,254, the digit 2 is in what place?</p> <p>_____</p>
		<p>$3 \times 9 =$</p>
<p>How many feet are in 5 yards?</p> <p>_____ feet</p>		<p>$1 \text{ lb} = 16 \text{ oz}$</p> <p>$29 \text{ lb} =$ _____ oz</p>

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÷ • ÷ • 5 • 0 • 2 • 2 • 0 • 0 • 8 • ÷ • 9 • 4 • = • 6 • 5 • 4
0 • 4 • 6 • 1

Use the pieces above to help you fill in the runaway math puzzle.



$951 + 352 =$ _____

$84 \div 7 =$ _____

What number is halfway
between 8 and 20?

Name: _____

Morgan, Anthony, Emily, Madison, and Alexandra each voted for one person to be president. How many votes did each person receive and who will be the president?

1. Morgan has the same number of votes as Emily.
2. Anthony has three more votes than Emily.
3. Emily has one less vote than Alexandra.
4. If Emily had one more vote, Emily would have the same number of votes as Madison.
5. Madison has the same number of votes as Alexandra.
6. Alexandra has two less votes than Anthony.
7. If Morgan had one more vote, Morgan would have the same number of votes as Alexandra.

Morgan received _____ vote(s).

Anthony received _____ vote(s).

Emily received _____ vote(s).

Madison received _____ vote(s).

Alexandra received _____ vote(s).

$13 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

$353 - 158 = \underline{\hspace{2cm}}$

$9 \times 9 = \underline{\hspace{2cm}}$

$12 \times 4 = \underline{\hspace{2cm}}$

Two toys cost \$4. At that rate, what is the cost of 8 toys?

$2,625 + 6,312 = \underline{\hspace{2cm}}$

$16 \div 2 = \underline{\hspace{2cm}}$

$5 \times 3 = \underline{\hspace{2cm}}$

Name: _____

$$\begin{array}{r} 3,908 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ \times 13 \\ \hline \end{array}$$

Find the product of 827 and 7.

Sketch an acute angle named $\angle BCD$.

Sketch a right angle named $\angle EFG$.

Sketch an obtuse angle named $\angle DEF$.

Write as a decimal.
Forty-six hundredths

Write as a decimal.
Twenty-one thousandths

Write as a decimal.
Twelve and fifty-two hundredths

$$\begin{array}{r} 95 \\ + 95 \\ \hline \end{array}$$

$$\begin{array}{r} 223 \\ + 626 \\ \hline \end{array}$$

Find the difference between 478 and 180.

Change $\frac{7}{20}$ to a decimal.

$$7 \overline{) 2.8}$$

Change $\frac{2}{10}$ to a decimal.

Name: _____

Estimate. $52 + 13 =$

- A) 100
- B) 30
- C) 10
- D) 60

Estimate. $45 + 65 + 45 + 79 + 94 =$

- A) 940
- B) 340
- C) 304
- D) 540

What number can replace the _____ to make the following sentence true?

_____ > -17

- A) -11
- B) -21
- C) -25
- D) None of the above

16 meters =

- A) 0.16 kilometers
- B) 1600 millimeters
- C) 160 centimeters
- D) 16000 millimeters

Estimate. $43 + 93 + 39 + 18 + 24 + 12 =$

- A) 220
- B) 120
- C) 920

How many quarts in 76 cups?

- A) 13 quarts
- B) 19 quarts
- C) 17 quarts
- D) 24 quarts

Name: _____

Mental Math

▶ Start with the number 665.

665



▶ Round to the nearest ten.

1 6 7 0 8 9 5 3 6 4 (Circle your answer to double check you are correct.) _____

▶ Subtract 27.

1 8 8 6 4 3 3 0 2 1 _____

▶ Add the number of inches in 1 foot.

3 7 5 8 4 6 5 5 7 7 _____

▶ Subtract 16.

5 8 4 9 6 3 9 6 6 2 _____

▶ Add the number of cups in 3 quarts.

6 5 1 5 8 5 1 9 2 6 _____

Mental Math

▶ Start with the number 511.

2 5 1 1 9 3 5 4 6 9 (Circle your answer to double check you are correct.) _____

▶ Add a half dozen.

6 7 5 1 7 0 5 4 4 5 _____

▶ Subtract 23.

8 0 4 4 9 4 9 9 7 8 _____

▶ Add the number of nickels in a dollar.

1 1 6 4 5 1 4 0 3 4 _____

▶ Add the number of ounces in 1 pound.

8 1 4 1 6 5 3 0 2 0 _____

▶ Add the digits in your number. The sum of that is your new number.

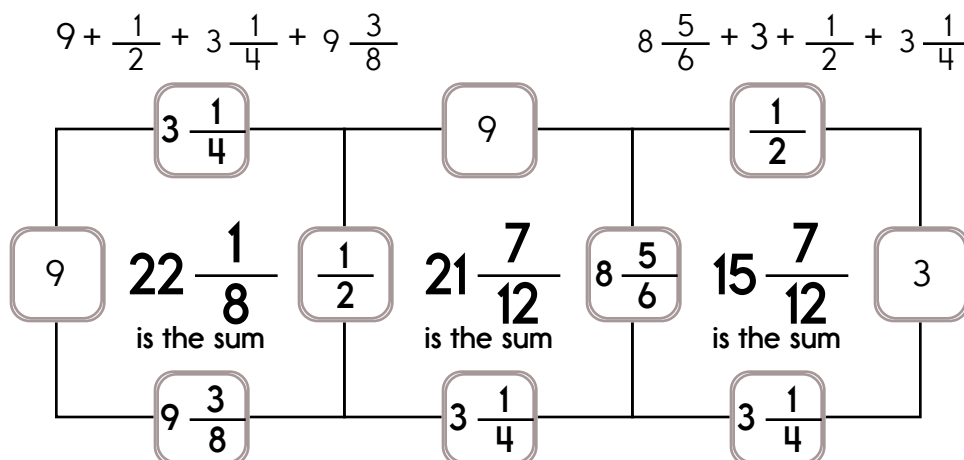
8 6 5 5 8 9 2 1 1 2 _____



Name: _____

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

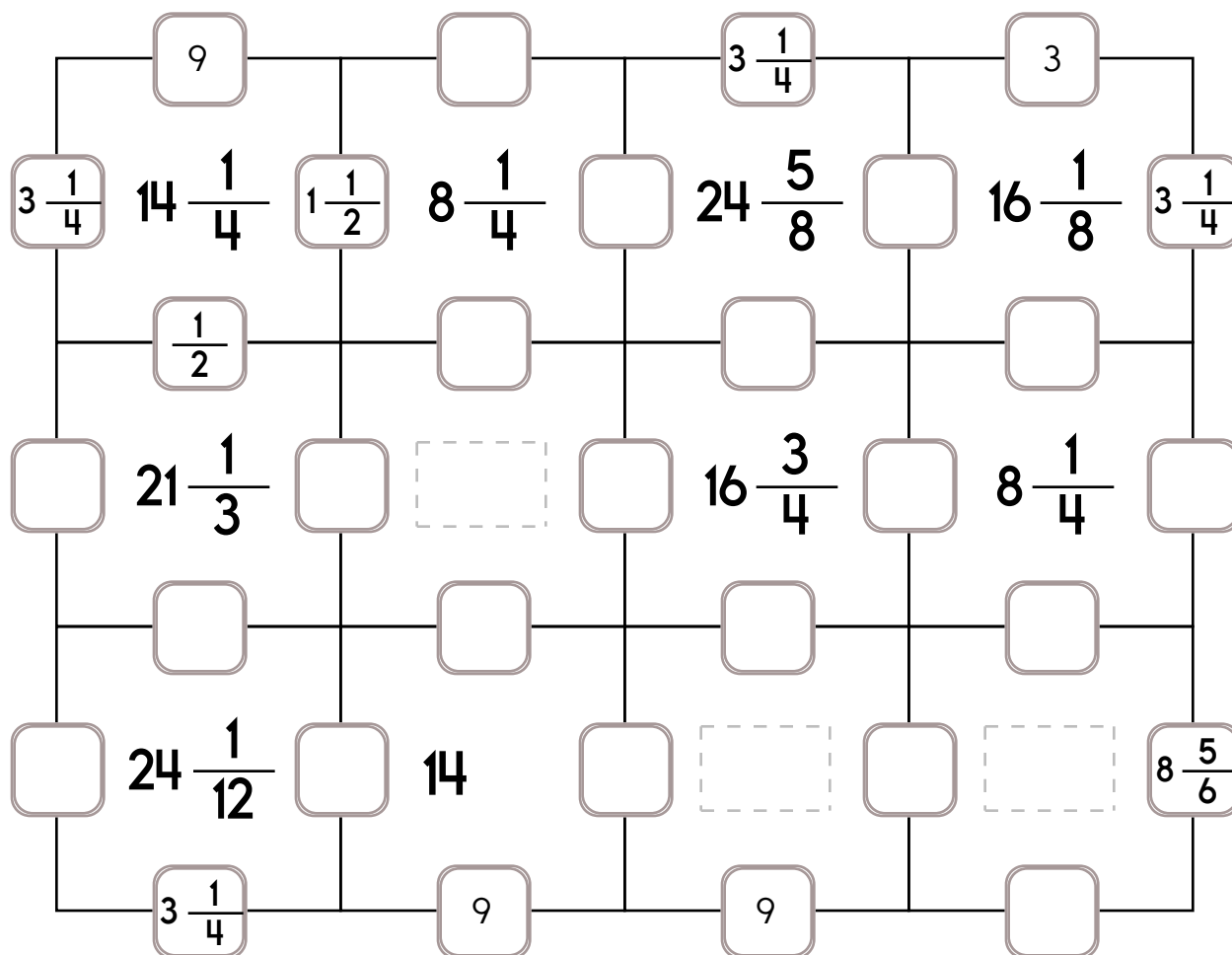
Sample:



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: $9\frac{3}{8}$, $1\frac{1}{2}$, or $8\frac{5}{6}$.

The other three numbers have to all be DIFFERENT and must be from these: $3\frac{1}{4}$, 3, 9, or $\frac{1}{2}$.



Name: _____

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

The other three numbers have to all be DIFFERENT and must be from these: 7, $6\frac{8}{9}$, $2\frac{1}{3}$, or 4.

	4			$5\frac{1}{8}$		
$2\frac{1}{3}$	$18\frac{25}{72}$	$5\frac{1}{8}$	$21\frac{25}{72}$	7		4
	$6\frac{8}{9}$					
	$22\frac{7}{18}$		$17\frac{5}{6}$		$20\frac{13}{18}$	
	$21\frac{25}{72}$		$18\frac{11}{24}$		$17\frac{5}{6}$	
	$20\frac{1}{3}$		$23\frac{1}{72}$	25		$20\frac{13}{18}$
	$20\frac{4}{9}$		$21\frac{25}{72}$			

Name: _____

$$6 \overline{) 3618}$$

$$4 \overline{) 10004}$$

$$3 \overline{) 42489}$$

Rewrite $\frac{1}{50}$ as a decimal.

Simplify.

$$\frac{144}{252} =$$

$$0.8 \times 0.02$$

If $5x = 65$, then $x =$

Circle the percentage that is closest to 19 out of 72:

- 70%
- 12%
- 89%

If $t = -5$ and $g = 14$ then what is $4t + 9g - 4g = ?$

$t - 7 + t = 25$
What is the value of t ?

What is the greatest common factor of the numbers 26 and 117?

$5 \times 5 \times 5 \times 5 \times 5 = Z^y$
What is the value of Z and y ?

What is the value of x ?

$$3x + 18 - 6x = -2$$

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

What is the value of x ?

$$4 \times (99 \div 9) - 60 \div 10 =$$

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Complete each pattern.

1, 7, 7, 8, 8, 1, 7, 7, 8, 8, ____, 7, 7, 8, 8, 1, 7

G, x, x, d, d, ____, ____, x, x, d, d, U, G, x, x, d

7, 0, 0, P, P, 9, ____, ____, 0, P, P, 9, 7, 0, 0, P

Complete each pattern. Write what the rule is for each pattern.

(823,543) , (117,649) , (16,807) ,

(2,401) , (343) , (49) ,

(7) , _____ , _____

(216) , (36) ,

(6) , (1) ,

$\frac{1}{6}$, $\frac{1}{36}$, $\frac{1}{216}$, _____ , _____

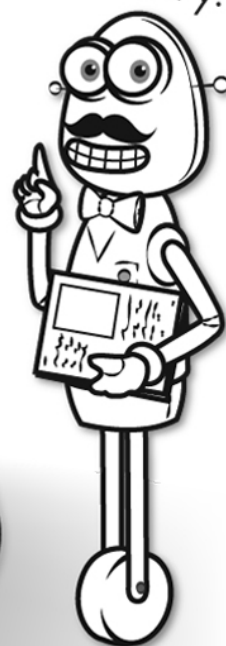


It's NO PREP at edHelper.

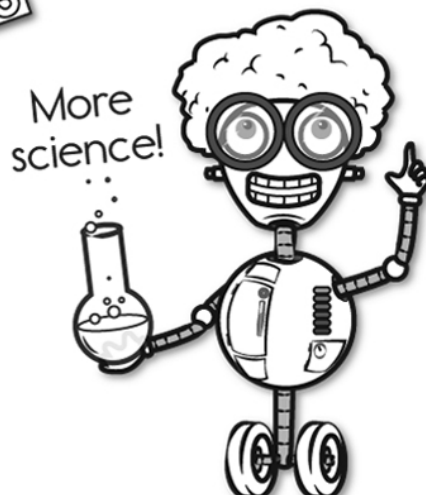
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\times $=$ $-$ \div $<$ $>$

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