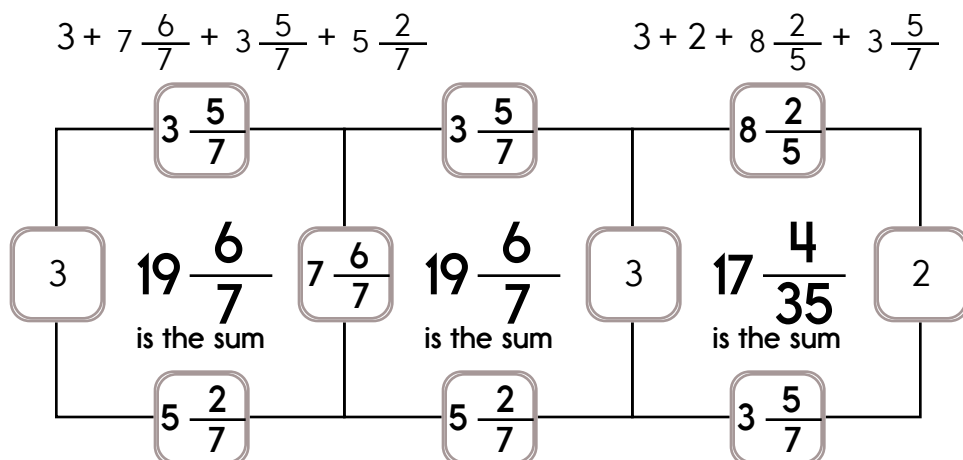


Name: _____

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

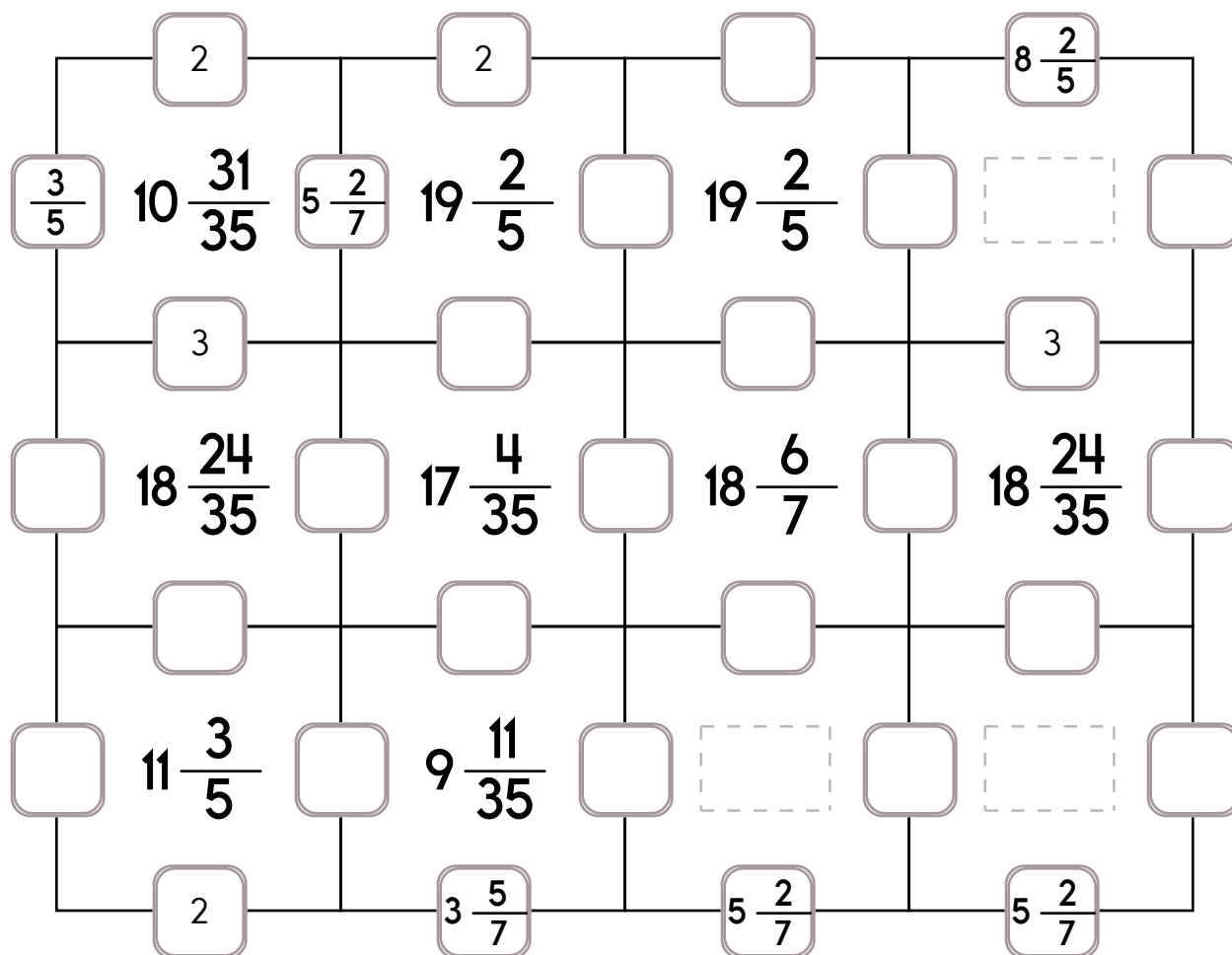
Sample:



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: $7\frac{6}{7}$, $\frac{3}{5}$, or $8\frac{2}{5}$.

The other three numbers have to all be DIFFERENT and must be from these: $5\frac{2}{7}$, $3\frac{5}{7}$, 2, or 3.



Exactly one of the four numbers has to be one of these numbers: $1\frac{3}{4}$, $9\frac{2}{3}$, or $2\frac{1}{7}$.

$4\frac{1}{2}$					
$9\frac{2}{3}$	$20\frac{2}{3}$	6	$30\frac{1}{6}$		$18\frac{9}{14}$
$\frac{1}{2}$			$\frac{1}{2}$		
6	$26\frac{1}{6}$		$30\frac{1}{6}$	$18\frac{9}{14}$	$22\frac{9}{14}$
	$16\frac{3}{4}$		$30\frac{1}{6}$	$20\frac{2}{3}$	$18\frac{1}{4}$
	$13\frac{1}{7}$		$18\frac{9}{14}$	$13\frac{1}{7}$	$22\frac{1}{4}$
	$22\frac{1}{4}$		$26\frac{1}{6}$		

Name: _____

The farmers built a water wheel in the river to send water to their fields. The diameter of the water wheel is three meters. The wheel turns completely around in six minutes. A waterbug hitched a ride on the wheel and stayed in the same place for 24 minutes. How far did the bug travel? Round your answer to the nearest hundredth of a meter.

Gavin found a T-shirt with a map of Columbus' voyages on the front and a picture of Columbus on the back. He wanted to buy it to wear on Columbus Day. The T-shirt cost \$14.91 plus six percent sales tax. Gavin gave the clerk a twenty-dollar bill. How much change did he receive?

Rewrite these numbers in order from greatest to least.

-7

-7.049

-6.69

-6.056

-6

Holly can't wait for her friend to visit.

"As soon as you leave the airport, drive 33 miles to exit 5," says Holly.

"I don't think you mean miles. They use kilometers here," says Megan.

Help Holly tell Megan how many kilometers to drive. Use 1 mile = 1.6 kilometers.

Name: _____

$$316 - 893 =$$

$$\begin{array}{r} 823 \\ - 518 \\ \hline \end{array}$$

$$\begin{array}{r} 455,344 \\ - 1,017 \\ \hline \end{array}$$

Write the reciprocal.

$$\frac{15}{22}$$

$$18 + \frac{2}{3} + \frac{5}{6} =$$

Write the reciprocal.

13

Write the decimal number
for:
seventy-seven thousandths

$$\begin{array}{r} 89.9 \\ + 42.381 \\ \hline \end{array}$$

Write the decimal number
for:
one hundred eighteen and
four hundredths

Change $\frac{9}{25}$ to a
decimal.

Write the decimal in words.
5.53791

Write each as a decimal.

$$7953 \frac{2043}{10000} =$$

$$8182 \frac{3}{10} =$$

$$133 \frac{96}{1000} =$$

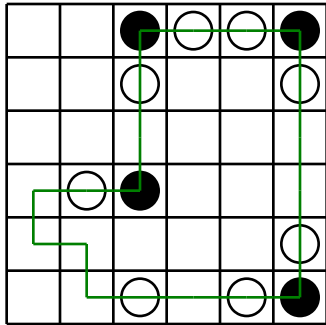
$$66 \frac{42}{10000} =$$

Name: _____

<p>Megan is making small gift bags of tea. Each bag holds $1\frac{1}{2}$ ounces of tea and sells for \$2.75. She buys the tea for \$10.75 per pound. Her other supplies cost \$0.37 per bag. How much profit (or loss) will she make per pound of tea?</p>	<p>The Market on the Square had to buy 23 new carts. The price of each cart was \$138.95 plus \$10 per cart to put the name of the market on the cart. If the manager of Market on the Square decides to buy 11 new carts with the name of the market and the rest without, what will the cost be?</p>	<p>Mrs. Miller weighed the two containers of potato salad. One weighed 3.1 pounds. The other weighed 3.51 pounds. How much did the two containers of potato salad weigh in all?</p>
---	--	---

<p>Three girls ran a race. Jenna ran past Jessica in the race and Jessica never caught up. Holly was not as fast as Jenna. Who won the race? Do you have enough information to know?</p>	$\begin{array}{r} 423 \\ + 403 \\ \hline \end{array}$	$36 \div 4 =$	
	$\begin{array}{r} 865 \\ - 654 \\ \hline \end{array}$	$\begin{array}{r} 58 \\ - 29 \\ \hline \end{array}$	
<p>Circle the addition property for $39 + 23 = 23 + 39$. associative property commutative property</p>	$\begin{array}{r} 36 \\ + 38 \\ \hline \end{array}$	$9 \times 3 =$	$6 \times 7 =$

Name: _____

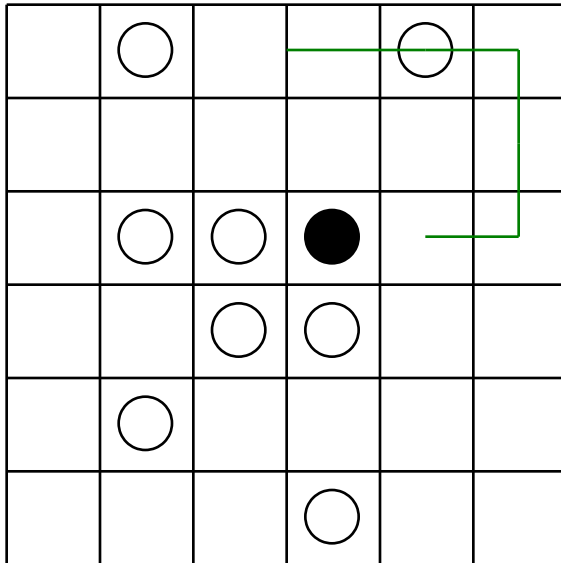


Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.

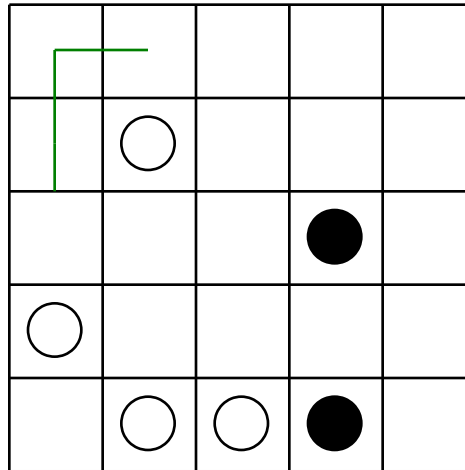
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

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

Finish the line:



Finish the line:



How many millimeters are in 6 centimeters?

_____ millimeters

The letters E and W each have a line of symmetry. Name another letter between E and W that has a line of symmetry.

1 kg = 1,000 g

25 kg = _____ g

$24 \div 6 =$ _____

26 km = _____ m

$8 \times 3 =$ _____

$47,612 + 44,854 =$ _____

$32 \div 4 =$ _____

$63 \div 9 =$ _____

In the number 77,036,886,782, the digit 0 is in what place?

Name: _____

The vowels are missing in the word search.
Fill in the missing vowels and circle the words.

□	S	V	V	□	□	□	□	Z	W
V	□	□	□	D	D	J	□	G	H
□	□	C	□	J	V	A	R	□	□
□	C	□	C	□	□	B	□	S	L
T	T	□	L	S	N	R	G	T	□
F	□	M	□	T	T	U	□	□	S
□	□	□	□	P	□	P	N	R	□
T	N	R	N	D	R	T	□	□	L
W	□	D	T	H	□	R	T	C	□
L	R	□	□	D	Y	□	□	□	D

ORIGINATE • AUCTION • ADJUST
GESTURE • OUTFIT • VACUUM
ADVENTURE • CLEAN • READY
WHOLESALE • WIDTH • ABRUPT

$11 \times 12 = \underline{\hspace{2cm}}$

$14 \div 2 = \underline{\hspace{2cm}}$

You are given five cards. One card has the number 1 on it, another card has a 2, another card has a 3, another card has a 4, and the last card has the number 5 on it. Use two cards to make a fraction. What is the largest fraction that you can make?

Write an equation to represent this:

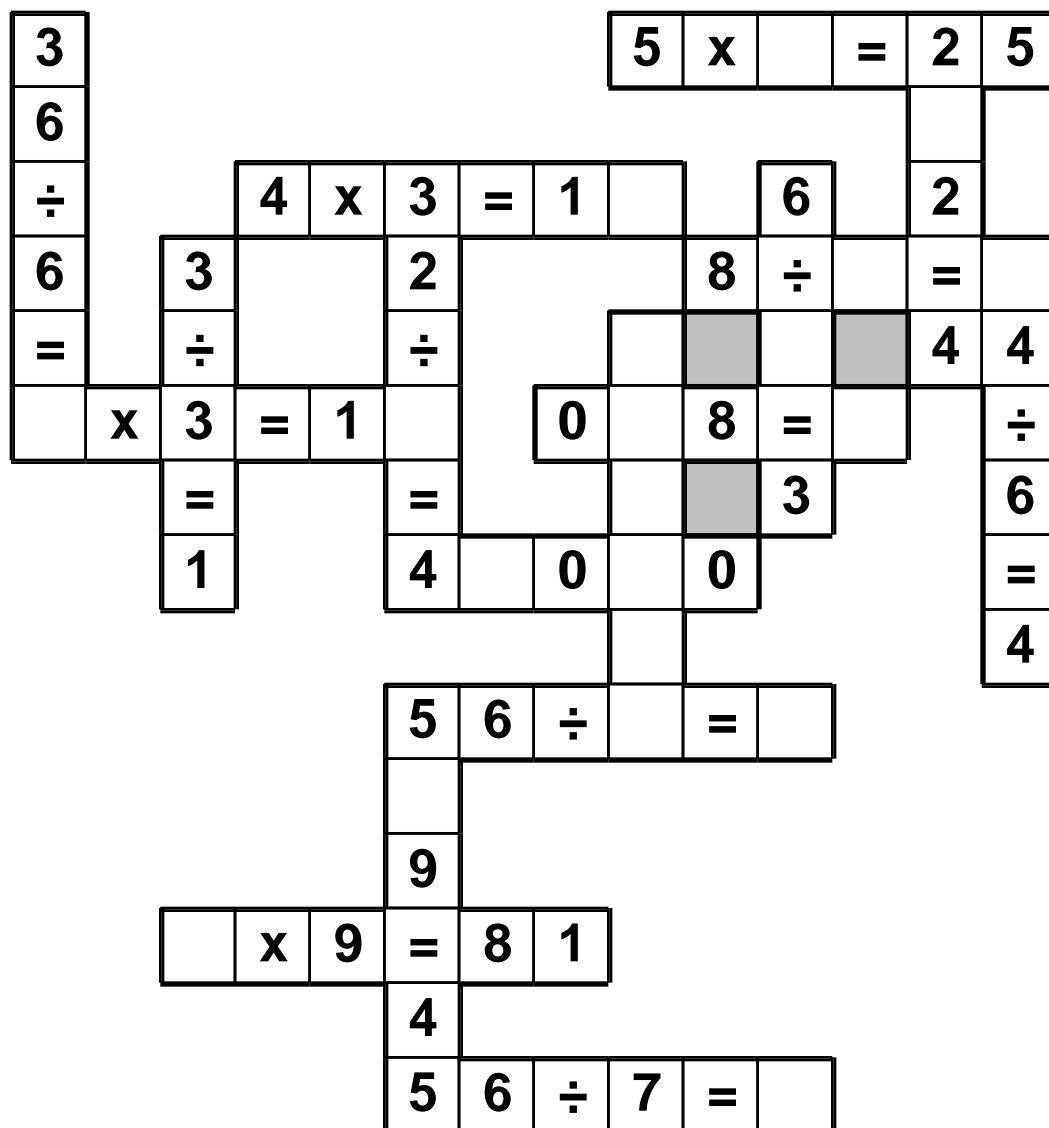
The sum of nine and eight is seventeen.

$10 \times 9 = \underline{\hspace{2cm}}$

Name: _____

5 • x • 2 • 4 • 2 • 7 • 2 • 6 • 8 • x • 0 • 4 • x • = • 2 • 8
7 • x • 9 • 8

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



You can buy 2 fancy pens for \$8 at the store. At this rate, what would be the cost of six fancy pens?

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

What time is 15 hours after 4:00 a.m.?

Name: _____

Rewrite $\frac{79}{100}$ as a decimal.

$$2.6255 \times 10^2 =$$

$$7 \times 11 \div 1$$

Rewrite $\frac{9}{25}$ as a decimal.

$$6 \times 6 = x^2$$

What is the value of x?

Simplify.

$$\frac{12}{18} =$$

If $y = 8$ and $x = -42$ then what is $4y - 14x - 2x = ?$

Simplify.

$$\frac{15,000}{40,000} =$$

If $v = -7$ and $a = 46$ then what is $5v + 13a - 4a = ?$

A circle graph has four sections. Only three sections are labeled. The labels are 24%, 25%, and 24%. What should the missing section be?

Convert $55 \frac{3}{4}$ to an improper fraction.

A circle graph has four sections. Only three sections are labeled. The labels are 21.51%, 14.1%, and 13.39%. What should the missing section be?

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

$$9 + 8 \times 5 + 6 - 3$$

$$17s - 15.3 = 86.7$$

$$s =$$

Name: _____

$$\begin{array}{c} 1048 \\ + \\ 512 \quad 536 \end{array}$$

$$\begin{array}{c} 1781 \\ + \\ 844 \quad \end{array}$$

$$\begin{array}{c} 1592 \\ + \\ \quad 876 \end{array}$$

$$\begin{array}{c} 685 \\ + \\ \quad 504 \end{array}$$

$$\begin{array}{c} 1508 \\ + \\ 693 \quad \end{array}$$

$$\begin{array}{c} 618 \\ + \\ \quad 371 \end{array}$$

$$\begin{array}{c} 911 \\ + \\ \quad 338 \end{array}$$

$$\begin{array}{c} 1720 \\ + \\ 737 \quad \end{array}$$

$$\begin{array}{r} 383 \\ - 303 \\ \hline \end{array}$$

$$\begin{array}{r} 816 \\ - 361 \\ \hline \end{array}$$

$$\begin{array}{r} 988 \\ - 393 \\ \hline \end{array}$$

$$\begin{array}{r} 658 \\ - 525 \\ \hline \end{array}$$

$$\begin{array}{r} 662 \\ - 430 \\ \hline \end{array}$$

$$\begin{array}{r} 600 \\ - 431 \\ \hline \end{array}$$

$$\begin{array}{r} 538 \\ - 351 \\ \hline \end{array}$$

$$\begin{array}{r} 515 \\ - 468 \\ \hline \end{array}$$

$$\begin{array}{r} 624 \\ - 494 \\ \hline \end{array}$$

$$\begin{array}{r} 404 \\ - 259 \\ \hline \end{array}$$



$86 \times \underline{\quad} = 774$

$\underline{\quad} \times 5 = 230$

$\underline{\quad} \times 7 = 455$

$68 \times \underline{\quad} = 340$

$\underline{\quad} \times 7 = 665$

$48 \times \underline{\quad} = 432$

$31 \times \underline{\quad} = 186$

$\underline{\quad} \times 8 = 192$

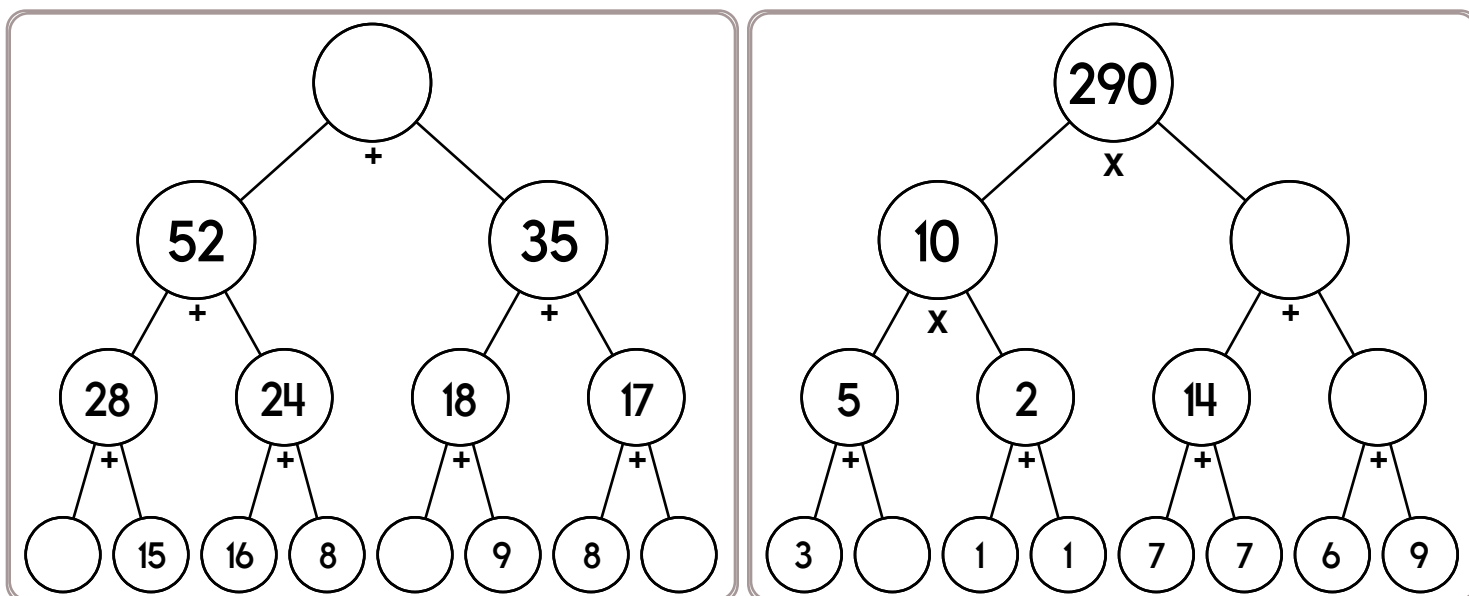
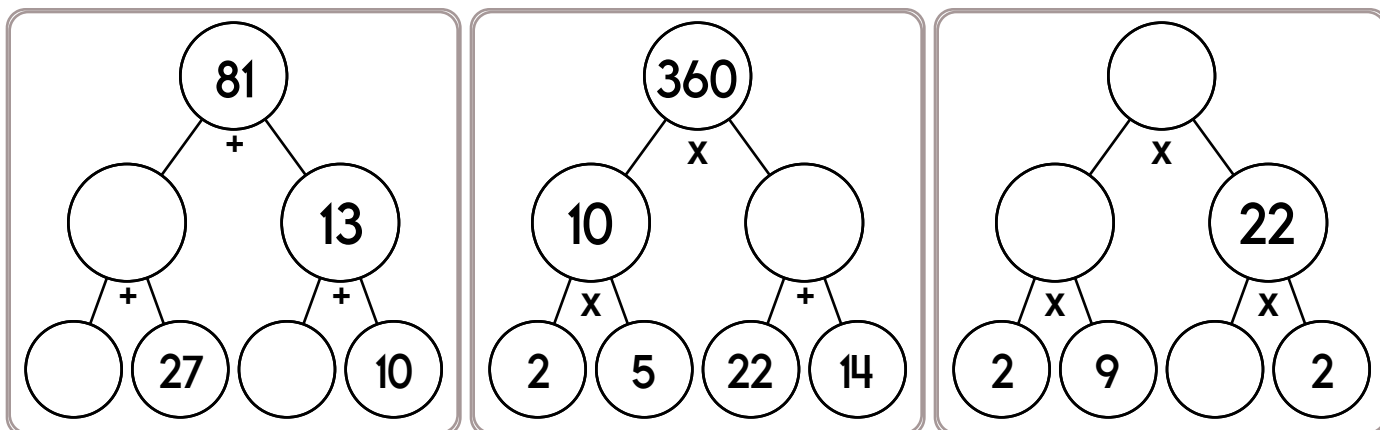
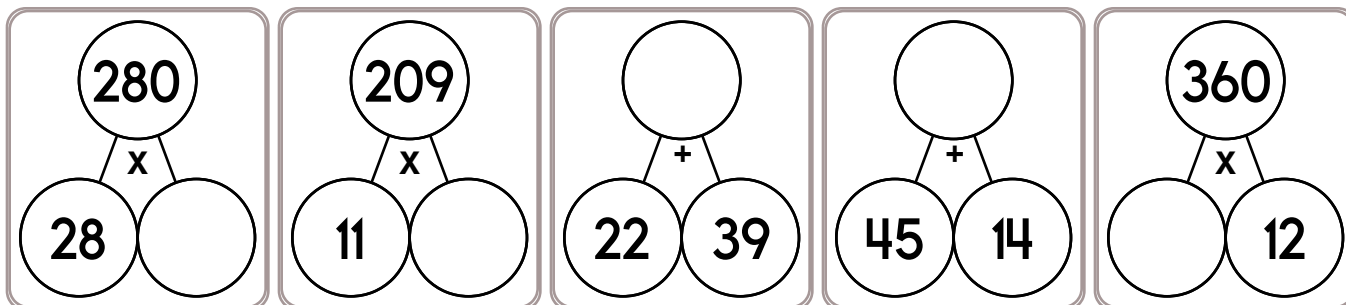
$74 \times \underline{\quad} = 148$

$\underline{\quad} \times 2 = 72$

$\underline{\quad} \times 9 = 351$

$50 \times \underline{\quad} = 450$

Name: _____



Simplify.

$$\frac{78}{104} =$$

In what quadrant would you find the point (11, 20)?

$$7 + 48 \div 6 - 70 \div 10 =$$

Name: _____

Draw a line from START to END.

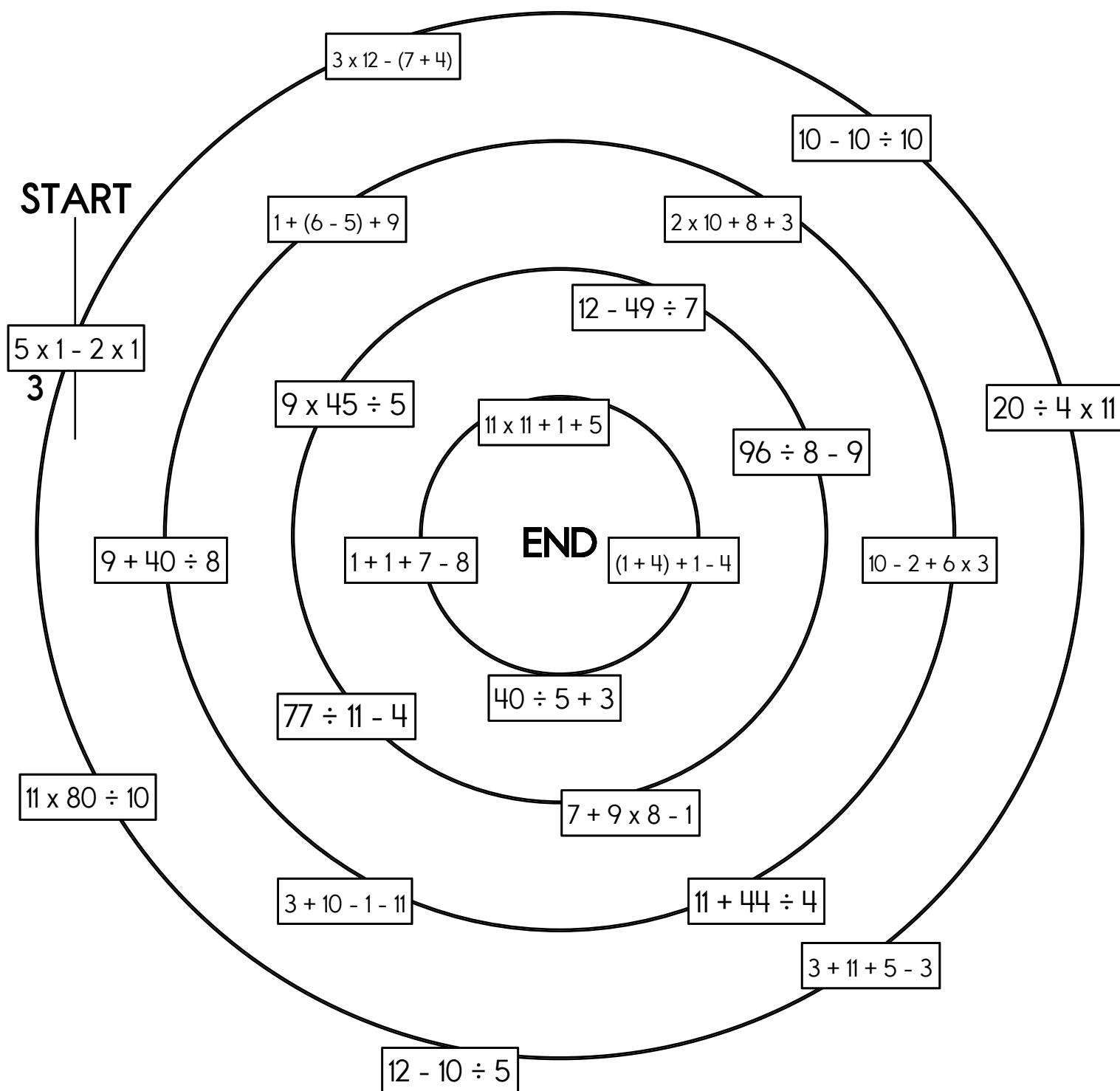
11

1

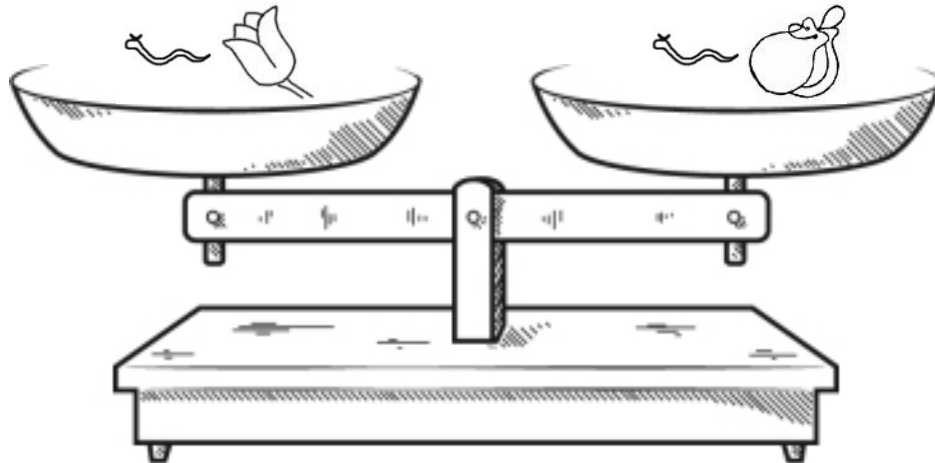
~~3~~

5

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



Name: _____



It may help to give values to pictures.

$$\text{worm} = 16$$

$$\text{flower} = 13$$

$$\text{fruit} = \underline{\hspace{2cm}}$$

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

$$\text{fruit} = \text{flower}$$

☐ True

☐ False

$$\text{fruit} < \text{flower}$$

☐ True

☐ False

$$\text{worm} > \text{worm} + \text{flower}$$

☐ True

☐ False

$$\text{flower} < \text{worm} + \text{fruit}$$

☐ True

☐ False

$$\text{fruit} + \text{ant} = \text{flower} + \text{ant} + \text{ant}$$

☐ True

☐ False

$$\text{worm} + \text{fruit} + \text{pin} = \text{worm} + \text{flower} + \text{pin}$$

☐ True

☐ False

$$\text{worm} + \text{flower} + \text{pin} > \text{worm} + \text{fruit} + \text{pin}$$

☐ True

☐ False

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.

Name: _____

Each row, column, and box must have the numbers 1 through 6. The first box is done.

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

Each row, column, and box must have 6 different pictures.

Name: _____

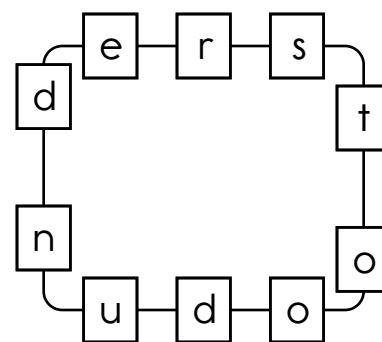
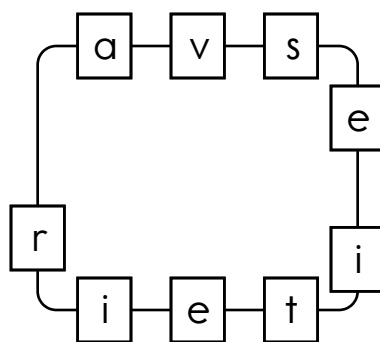
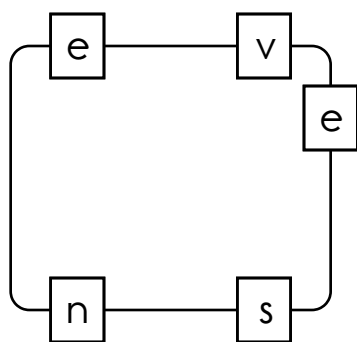
How many words do you know?

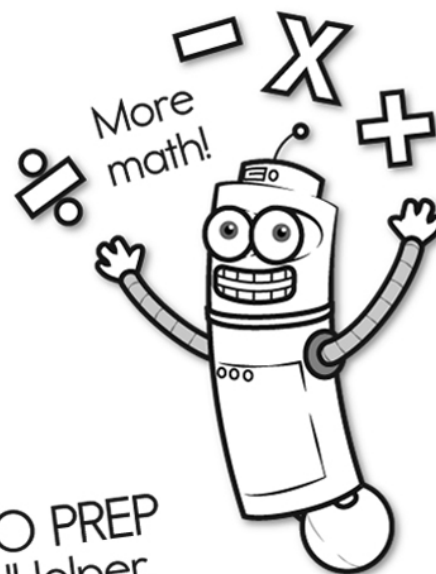
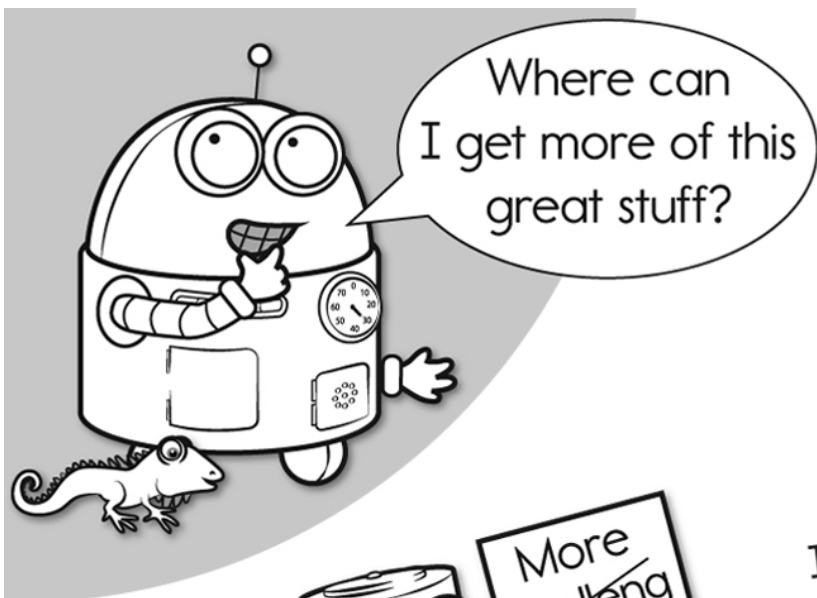
Use each of the blocks to spell ten words.
Hint: The word contagious is a word in the blocks.

I	O	H	T	A	C	O	R	E	R	I	G	K	
A	T	G	H	N	O	N	I	Q	U	B	O	N	G
	C		E		I	N		N		O		T	
R	I	L	A	T	C	U	G	P	R	K	N	I	E
F				E	N	Z	U	E					
W	E	I											
	N	S											

1.			I						2.			B	E
3.							N		4.		O	O	
5.						L	I	N					
6.					A	G				S			
7.							8.		P	E	A	T	
9.									10.	K	N	O	C

Write the hidden word. Start at one letter and then move either left or right. Continue in same direction.



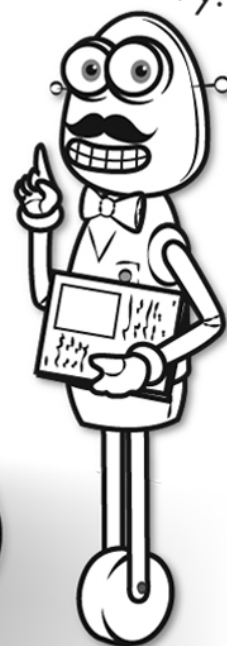


It's NO PREP at edHelper.

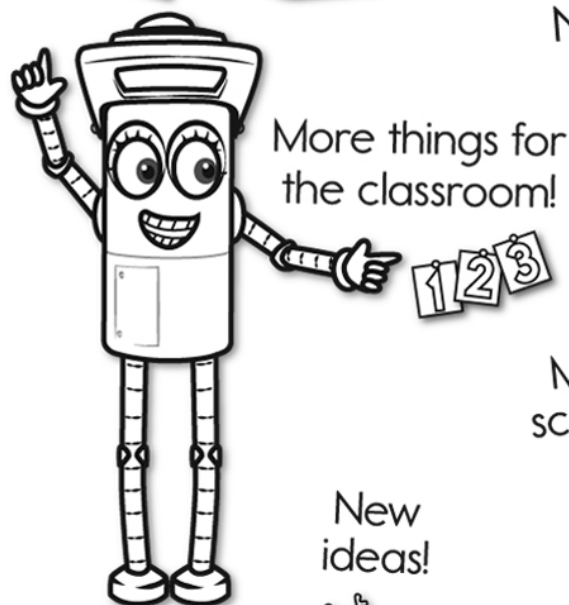
More history!



edHelper.com!



New online math games!



New ideas!



More science!



More puzzles!

