

Name: _____

$$\begin{array}{r} 33,172 \\ - 1,961 \\ \hline \end{array}$$

$$\begin{array}{r} 79,594 \\ - 31,047 \\ \hline \end{array}$$

$$\begin{array}{r} 857 \\ + 44 \\ \hline \end{array}$$

Reduce $\frac{6}{27}$ to its lowest terms.

$$9 + \frac{2}{5} - \frac{1}{2} =$$

Write the reciprocal.

$$\frac{11}{12}$$

Find 40% of 70.

Change 0.13 to a percent.

Change $\frac{4}{8}$ to a decimal.

Change 17% to a decimal.

Find 72% of 99.

Change $\frac{3}{10}$ to a decimal.

Change 27% to a decimal and a fraction expressed in its lowest terms.

80 is what percent of 160?

216 is what percent of 270?

Name: _____

If a rubber band can be stretched to a circular shape that has a radius of 2.2 inches. How many 1.4-mm diameter toothpicks of could fit within it? (1 inch = 25.4 mm)

Consider a piece of paper in the shape of a parallelogram - any parallelogram. How can this piece of paper be used to prove the formula for the area of a triangle?

The student to teacher ratio at the school built by the Peace Corps volunteers is 41:2. If there are 13 teachers in the school, how many students are there?

Name: _____



$49 \times 3 =$

$91 \times 9 =$

$84 \times 5 =$

$93 \times 8 =$

$91 \times 2 =$

$43 \times 6 =$

$32 \times 8 =$

$46 \times 3 =$

$18 \times 6 =$

$64 \times 8 =$

$53 \times 7 =$

$55 \times 9 =$



$___ - 11 = 68$

$___ - 48 = 43$

$68 - ___ = 56$

$99 - ___ = 20$

$___ - 18 = 25$

$___ - 61 = 30$

$82 - ___ = 35$

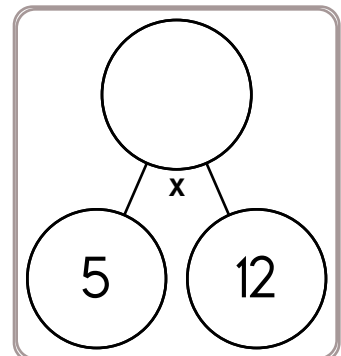
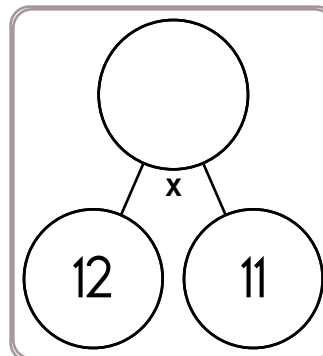
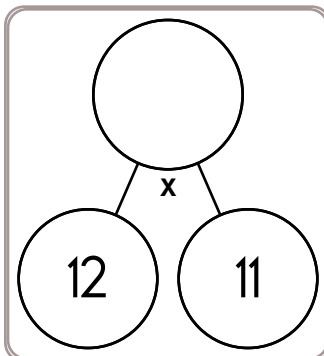
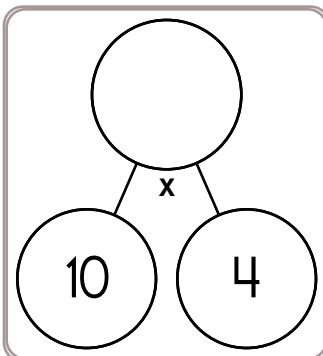
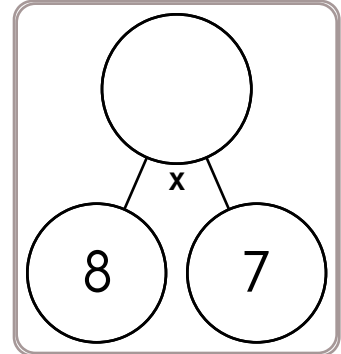
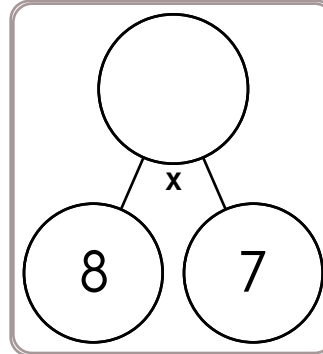
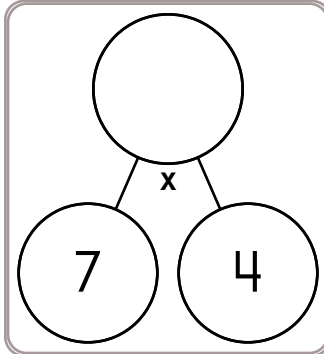
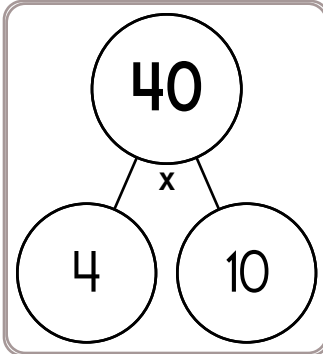
$97 - ___ = 83$

$55 - ___ = 15$

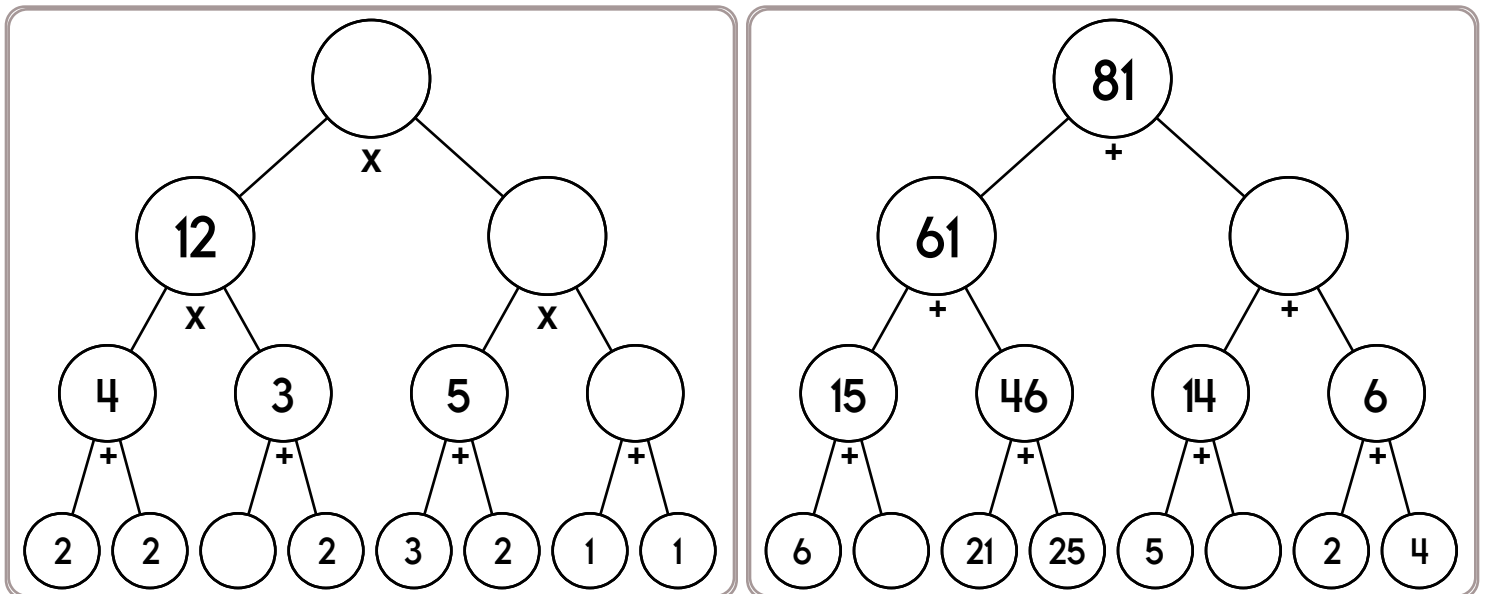
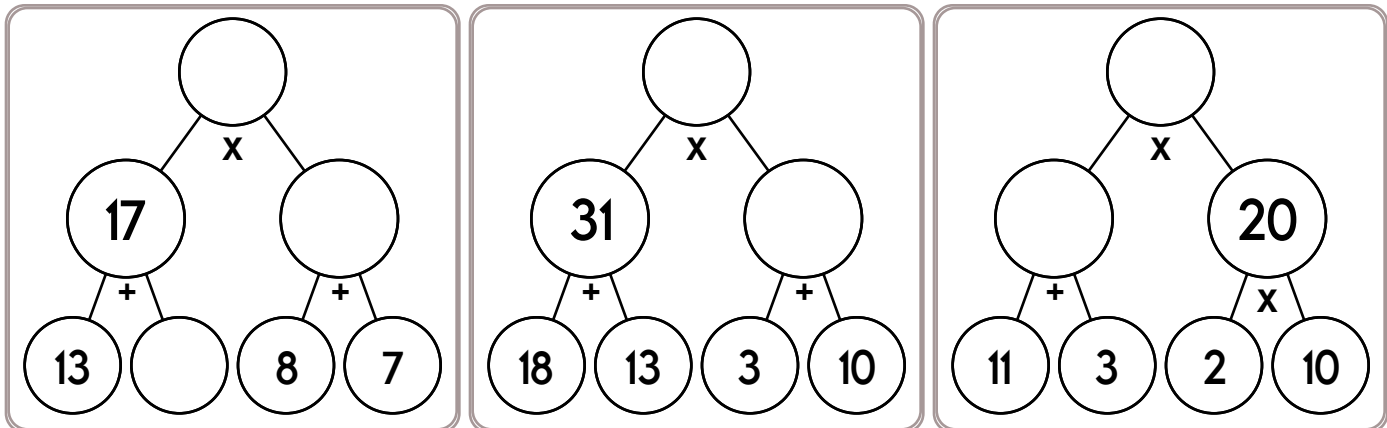
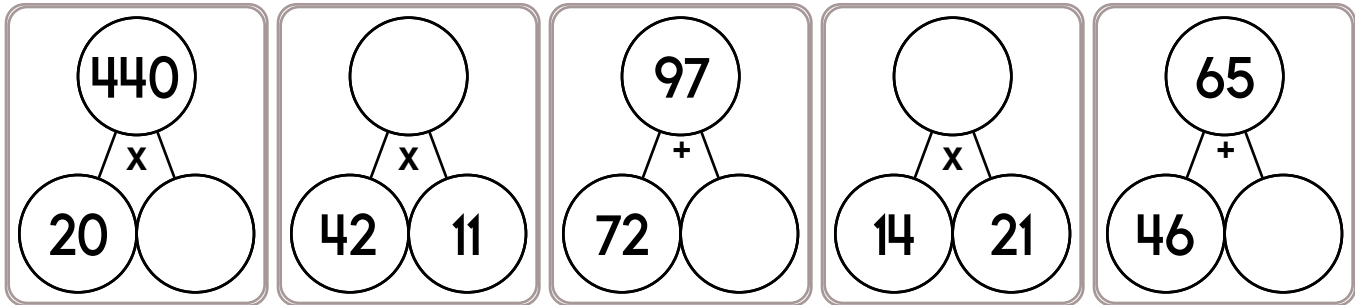
$___ - 50 = 33$

$49 - ___ = 16$

$___ - 18 = 38$



Name: _____



Change to a percent.

$$\frac{458}{100}$$

Write as a percent.

$$\frac{6}{12}$$

Change to a percent.
0.58

Name: _____

$$\begin{array}{c} 35 \\ \times \\ \hline \end{array}$$

$$\begin{array}{c} 10 \\ \times \\ \hline \end{array}$$

$$\begin{array}{c} 6 \\ \times \\ \hline \end{array}$$

$$\begin{array}{c} 24 \\ \times \\ \hline \end{array}$$

$$\begin{array}{c} 27 \\ \times \\ \hline \end{array}$$

$$\begin{array}{c} 27 \\ \times \\ \hline \end{array}$$

$$\begin{array}{c} 56 \\ \times \\ \hline \end{array}$$

$$\begin{array}{c} 12 \\ \times \\ \hline \end{array}$$

$$\begin{array}{c} 78 \\ + \\ \hline \end{array}$$

$$\begin{array}{c} 81 \\ + \\ \hline \end{array}$$

$$\begin{array}{c} 90 \\ + \\ \hline \end{array}$$

$$\begin{array}{c} 96 \\ + \\ \hline \end{array}$$

$$\begin{array}{c} 81 \\ + \\ \hline \end{array}$$

$$\begin{array}{c} 96 \\ + \\ \hline \end{array}$$

$$\begin{array}{c} 78 \\ + \\ \hline \end{array}$$

$$\begin{array}{c} 96 \\ + \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ - 3 \\ \hline \end{array}$$

Name: _____

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$$\frac{1}{6} \div \frac{4}{12} =$$

$$0.2 \times 0.9$$

$$9t - 26.7 = 27.3$$

$$t =$$

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

The angles in a quadrilateral measure 101° , 110° , 95° , and b° . What is the value of b ?

The letter p is used to represent power points in a game, which can range from 435 to 690 points. Express this as an inequality.

In what quadrant would you find the point $(7, 18)$?

Rewrite $\frac{13}{20}$ as a decimal.

Simplify.

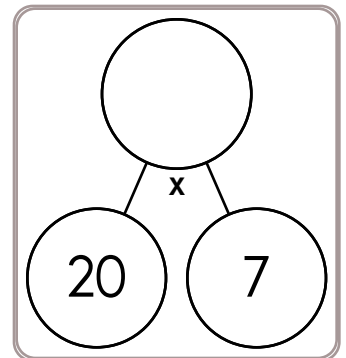
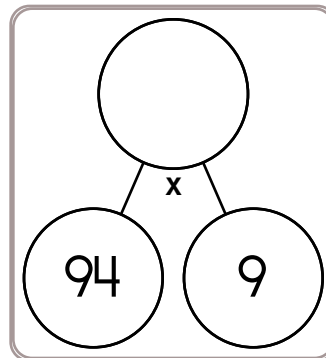
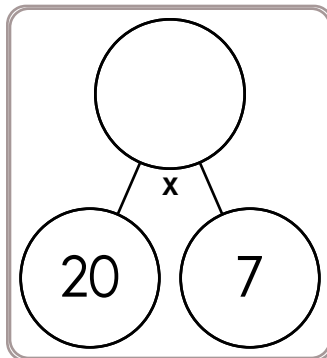
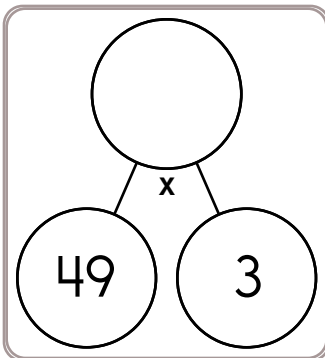
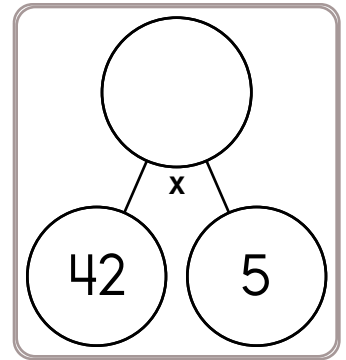
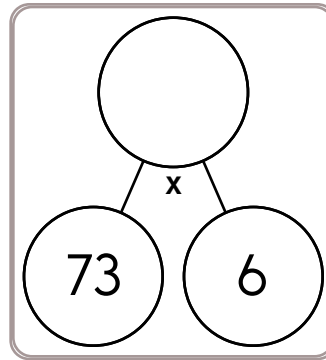
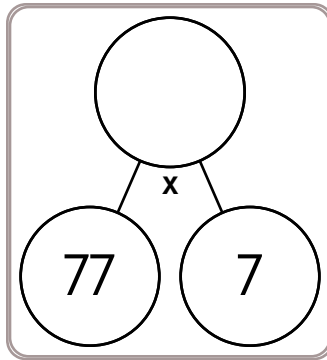
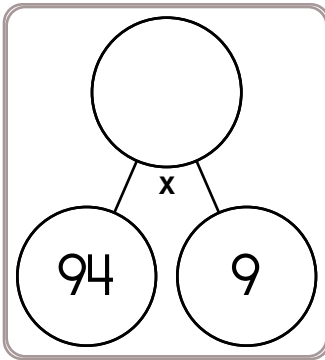
$$\frac{5,000}{7,000} =$$

If $h = -8$ and $t = 38$ then what is $10h + 11t - 4t = ?$

Rewrite $\frac{23}{25}$ as a decimal.

$$0.1 (0.9 (0.1 + 7)) =$$

Name: _____



$15 \times \underline{\quad} = 45$

$41 \times \underline{\quad} = 82$

$\underline{\quad} \times 4 = 376$

$\underline{\quad} \times 2 = 30$

$91 \times \underline{\quad} = 728$

$\underline{\quad} \times 3 = 201$

$\underline{\quad} \times 6 = 114$

$56 \times \underline{\quad} = 168$

$\underline{\quad} \times 8 = 592$

$87 \times \underline{\quad} = 174$

$\underline{\quad} \times 7 = 525$

$99 \times \underline{\quad} = 495$



$11 \times 10 =$

$4 \times 4 =$

$3 \times 7 =$

$12 \times 7 =$

$2 \times 4 =$

$10 \times 3 =$

$3 \times 6 =$

$10 \times 11 =$

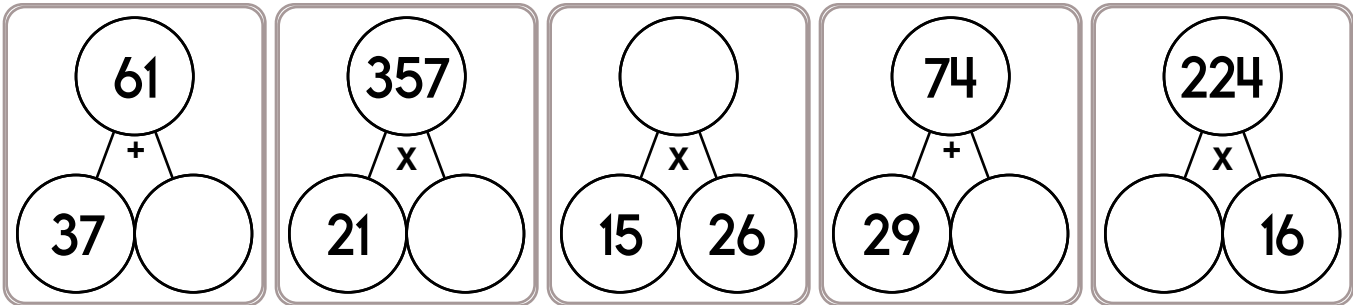
$7 \times 3 =$

$5 \times 4 =$

$8 \times 5 =$

$8 \times 3 =$

Name: _____



What is the greatest common factor of the numbers 112 and 48?

$p - \$61 = \38
What is the value of p ?

$$|-14| + w = 10$$

$w =$

Circle the least amount:

40%

0.18

$\frac{9}{25}$

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

What is the value of x ?

$$3 \times 3 \times 3 = x^3$$

What is the value of x ?

Find the least common denominator for the fractions $\frac{7}{8}$ and $\frac{14}{16}$.

Convert $19\frac{9}{10}$ to an improper fraction.

A circle graph has four sections. Only three sections are labeled. The labels are 31%, 24%, and 25%. What should the missing section be?

F, _____, G, O, H, R,
I, U, J, X

$$9 \times 39 \div 3 - 12 \div 4 =$$

Each side of a regular pentagon is 75.4 centimeters. What is the perimeter?

Name: _____

$$\begin{array}{r} 62,857 \\ - 27,743 \\ \hline \end{array}$$

$$733 + 38 =$$

$$\begin{array}{r} 82,994 \\ - 43,134 \\ \hline \end{array}$$

$$85 \overline{) 6970}$$

$$76 \overline{) 390}$$

$$\begin{array}{r} 86 \\ \times 91 \\ \hline \end{array}$$

Divide and write remainder.

Divide and write remainder.

$$\begin{array}{r} 7,644 \\ - 858 \\ \hline \end{array}$$

$$\begin{array}{r} 980 \\ - 164 \\ \hline \end{array}$$

609 is how much more
than 4641?

$$3 \overline{) 6353}$$

$$\begin{array}{r} 135 \\ 4 \\ 903 \\ + 14 \\ \hline \end{array}$$

Divide and write remainder.

Find the sum of 464, 610,
and 297.

Name: _____

<p>According to the polar bear census taken in the Alaskan Native Wildlife Refuge, there were 35 polar bears born last month. Of that number, 15 were female and the rest were male. What is the ratio of females to males? (Express your answer as a fraction in lowest terms.)</p>	<p>Kevin bought 3 hamburgers for \$1.45 each and 2 orders of french fries for \$0.95 each. What was the total cost of his purchases?</p>	<p>Mr. Rodriguez bought some paint to make birdhouses. He put the paint in smaller cans so each student in his class could have a can. Each can holds $1\frac{1}{3}$ pints of paint. He filled $15\frac{1}{3}$ small cans with the paint he bought. How many pints of paint did he buy?</p>
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<p>Circle the greatest number:</p> <p>71,232,506</p> <p>83,450</p> <p>270,591,834,696</p> <p>723,546,801</p>	<p>1 cm = 10 mm</p> <p>25 cm = _____ mm</p>	$\begin{array}{r} 357 \\ + 402 \\ \hline \end{array}$
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<p>$27 \div 9 =$ _____</p>	<p>For 8,409,548,488,626,284, write the digit that is in the hundred thousands place.</p> <p>_____</p>	<p>Erin rolls two dice. She adds the numbers on the two dice. What is the chance of this sum being four?</p>
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<p>How many ounces are in 7 pounds?</p> <p>_____ ounces</p>	<p>Megan rolls a die. What is the chance of her rolling a 3?</p> <p>_____</p>
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<p>Write 10,829 in words.</p> <p>_____</p>	<p>18 lb = _____ oz</p>
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Name: _____

$7 \times 7 =$ _____	Ava is younger than Sarah. Wendy is older than Ava. Who's the youngest?	$24 \div 6 =$
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$\begin{array}{r} 32 \\ + 22 \\ \hline \end{array}$	A bike originally priced at \$120 is marked down by 30%. What is the sale price?	$\begin{array}{r} 41 \\ - 27 \\ \hline \end{array}$
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<p>Can 509 be evenly divided by 3? Circle:</p> <p>509 is evenly divisible by 3</p> <p>509 is NOT evenly divisible by 3</p>	$\begin{array}{r} 485 \\ - 353 \\ \hline \end{array}$
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The product of two consecutive whole numbers is 72. What are the two consecutive whole numbers?	$5 \times 8 =$	$(8 + 5) + 6 =$
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Name: _____

Sudoku Sums of 9

Each row, column, and box must have the numbers 1 through 9.
Hint: Look for sudoku sums. The sum of the two boxes inside of the dashed lines is 9.

Here is an example of a sudoku sum of 9:

4	5
---	---

6	5		1	8				2
			2		9			3
	8					6		
9		6	7	4				
1					6	2		
5	4							
			4	2		5	8	
	6				8		2	
						9		

Circle the digit in the hundredths place.

97.94

73,744 - 12,899 = _____

10 x 3 = _____

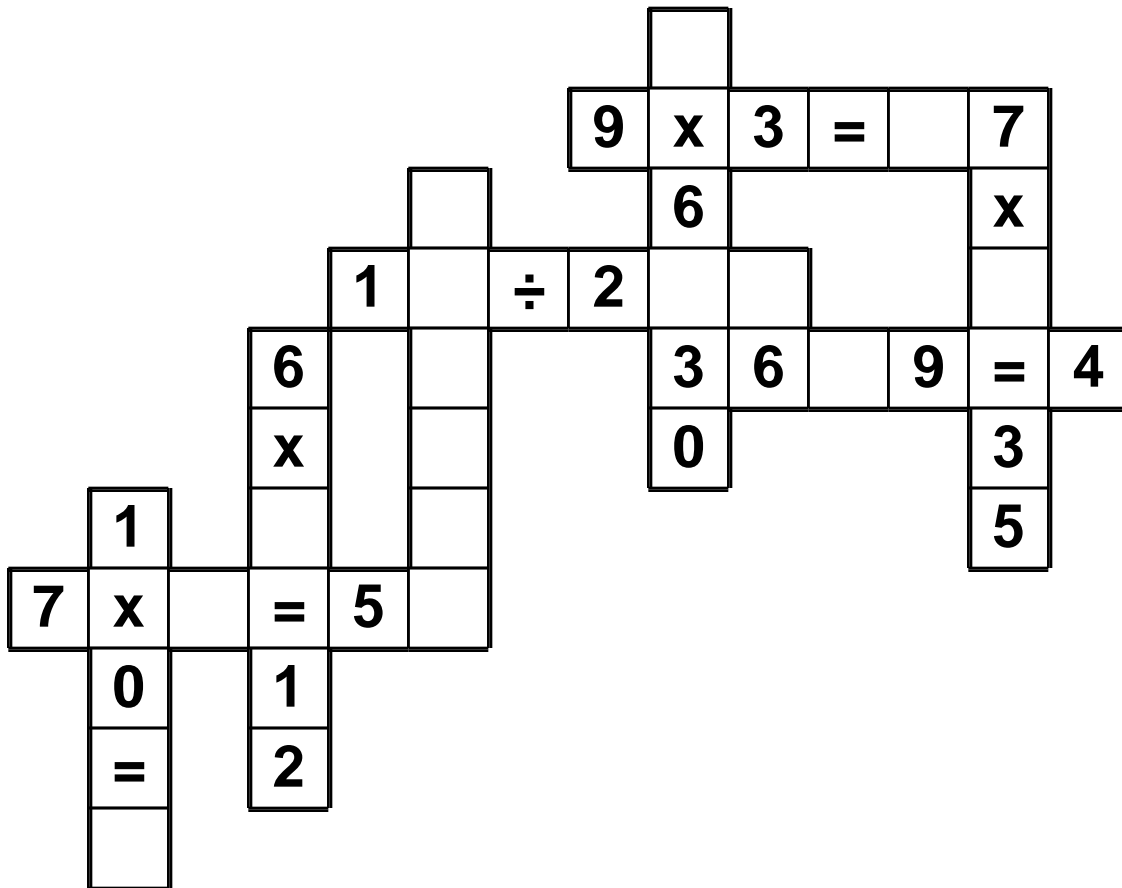
What number is halfway
between 15 and 25?

99 ÷ 9 = _____

Name: _____

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

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



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

Circle the smallest number:

381,729

3,685

467,130,927

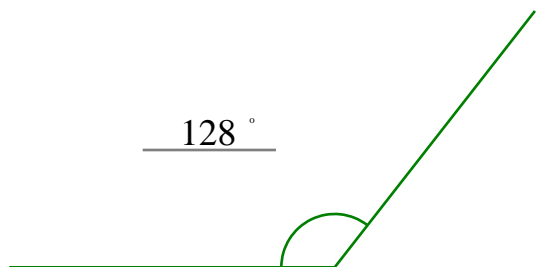
645,007,159,248

81,191 - 47,968 = _____

Name: _____

Measure the angle using a protractor. Write the angle.

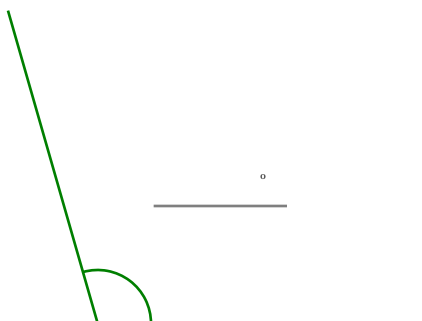
128 °



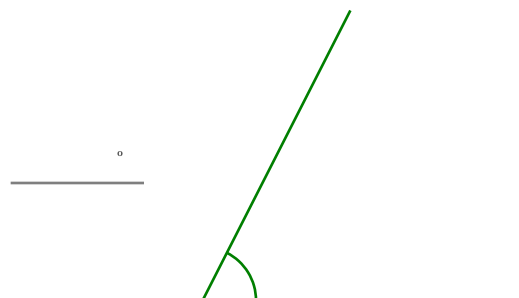
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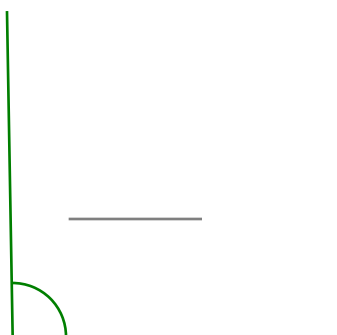


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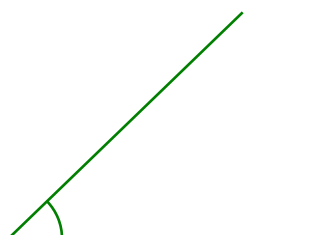


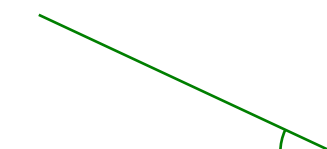
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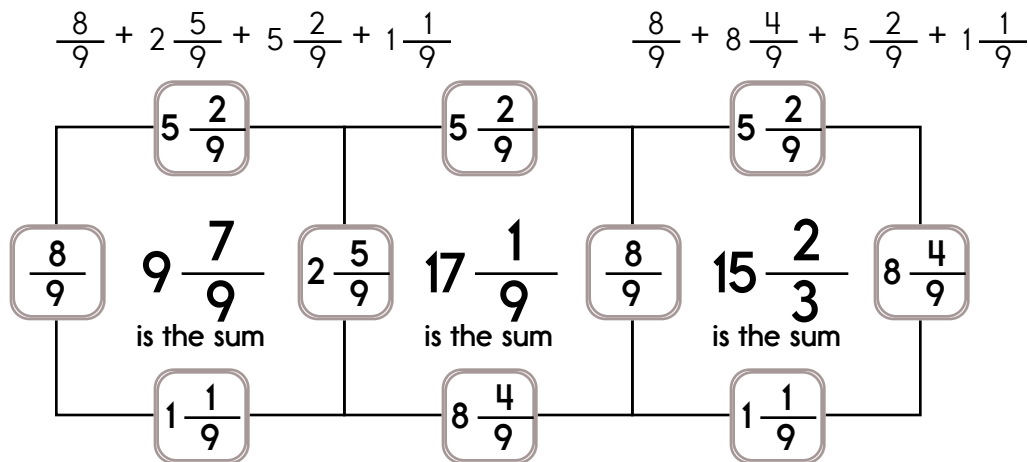




Name: _____

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

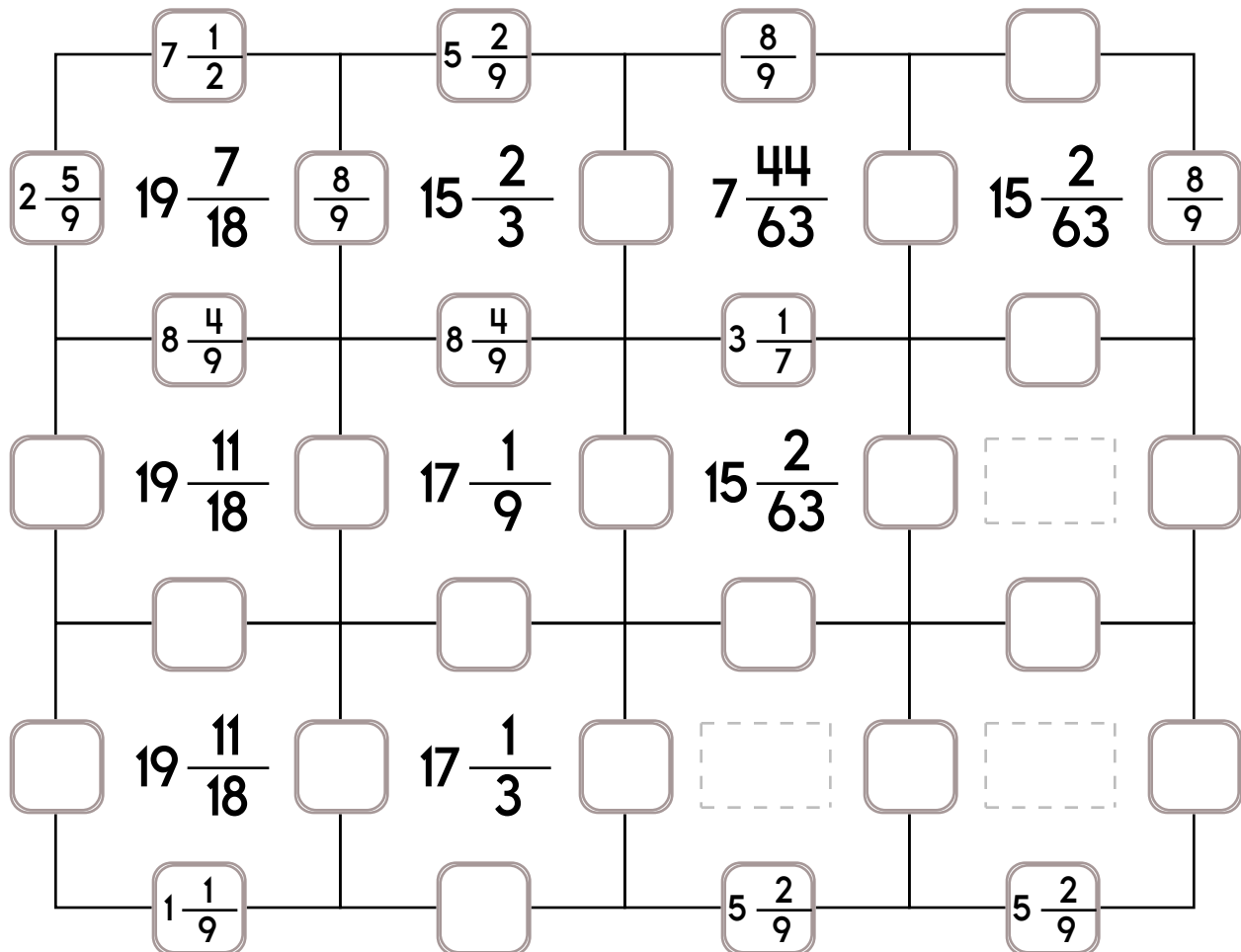
Sample:



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: $5\frac{2}{9}$, $7\frac{1}{2}$, or $3\frac{1}{7}$.

The other three numbers have to all be DIFFERENT and must be from these: $\frac{8}{9}$, $8\frac{4}{9}$, $2\frac{5}{9}$, or $1\frac{1}{9}$.



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: $4\frac{1}{3}$, $6\frac{4}{7}$, or $5\frac{1}{2}$.

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

	$6\frac{4}{7}$				$2\frac{2}{3}$	
$2\frac{2}{3}$	$15\frac{5}{21}$	$1\frac{1}{3}$	$17\frac{1}{6}$		$21\frac{4}{7}$	$20\frac{1}{2}$
	$4\frac{2}{3}$		$2\frac{2}{3}$			$7\frac{2}{3}$
	$19\frac{1}{6}$		$18\frac{5}{21}$		$14\frac{1}{6}$	
						$2\frac{2}{3}$
	$17\frac{1}{6}$		$18\frac{5}{21}$		$20\frac{1}{2}$	13
	$20\frac{5}{21}$		$18\frac{5}{21}$		$21\frac{4}{7}$	$15\frac{5}{21}$
	$20\frac{5}{21}$		$18\frac{5}{21}$			

Name: _____

Only use a pencil to write the numbers on the blank lines. You do not need any scrap paper! Solve it in your head. If you forget a number, then start over. Cool, huh?

Mental Math



= Do it
in your
head!

imagine 5 in your head

add 4

subtract 8

Write the number.

A

imagine 3 in your head

add 6

subtract 9

add 5

add 4

Write the number.

B

imagine 7 in your head

multiply 12

double it

subtract 8

Add the tens digit to the ones digit.
Write the sum.

C

imagine 6 in your head

add 9

double it

add 2

Write the ones digit.

D

What is the sum?

A + B + C + D

Wow! Great job! That's the answer, but do you know how to SPELL the number?

_____t_____n

4 after 19 _____

1 before 17 _____

3 after 16 _____

2 after 18 _____

3 before 13 _____

9 after 13 _____

7 after 12 _____

6 before 11 _____

6 after 11 _____

5 after 14 _____

2 before 19 _____

8 after 17 _____

Name: _____

ideal • nonchalant • fountain • community • medley • presence

Each row, column, and box must have all the words from the word list. Write in the missing words.

nonchalant					
		community	presence		
			ideal	community	
		presence			
ideal					nonchalant
	medley				fountain

$7 \times 2 =$ _____

Sara went to a restaurant. Her bill was \$23. She wanted to give the food server a 25% tip. The tip came to \$5.75.
Today her family went out. The bill was \$53. If her family wants to give the same 25% tip, how much will the tip be?

Holly likes to change numbers into a secret letter form. Holly changed the number 314,389 to GGGGGG. Holly changed the number 268 to GGG. Holly changed the number 16 to GG. Holly changed the number 57,647 to GGGGG. How do you think she would change the number 8,858?

Rose rolls two dice. What is the chance of her rolling a 3 on one die and a 3 on the other die?

$12 \times 8 =$ _____



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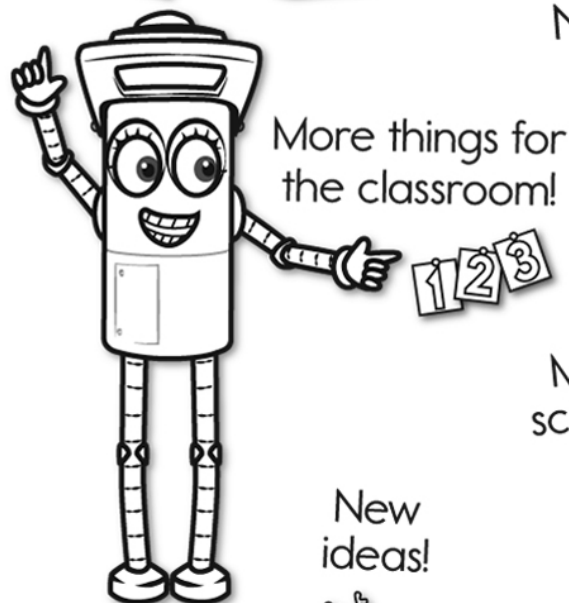
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\times
 $\times =$
 $- \div$
 $< - >$

More puzzles!



