

Name: _____

**FUN
BREAK!**

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ONE
GAME**
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(Check the
box after
you play.)**MY SCORE**

Use $>$, $<$, or $=$ to complete.

$32\% \text{ — } \frac{3}{4}$

$\frac{2}{9} \text{ — } 76\%$

$79\% \text{ — } \frac{2}{7}$

What is the greatest common factor of the numbers 112 and 42?

$7 \times 7 = 7^x$

What is the value of x ?

Rewrite as an algebraic expression or equation.

Add 20 to the product of 8 and j The unknown value x is a multiple of 4, is greater than 184, and it is divisible by 18. What can be the lowest possible value of x ?Find the least common denominator for the fractions $\frac{11}{12}$ and $\frac{5}{9}$.

Name: _____

While people just say "penguins," there are several types of penguins. The emperor penguin is the largest species, averaging 43 inches and 77 pounds. The little blue penguin is smallest, averaging 16 inches and 2.2 pounds. Some prehistoric penguins were thought to grow as tall as 69 inches and weigh as much as 176 pounds.

How many penguins of each type would you have to have to equal approximately the same weight in each group?

Show your work.

Name: _____

ACROSS

1 $10 - 0.37$

5 $837 - 8$

a. answer: 8 2 9

$4593 - 4$

b. answer: 4 5 8 9

Full 5 across answer:

<u>8</u>	<u>2</u>	<u>9</u>	<u>4</u>	<u>5</u>	<u>8</u>	<u>9</u>
a	a	a	b	b	b	b

6 9×4

7 Write the mixed number

8 $\frac{77}{100}$ as a decimal.

8 $12 - 2.18$

9 _____; 2,326; 2,293; 2,260

1	.	2	3			4				
5								6		
7	.									
8	.						.			
9								10		
				11						
12				13	.			14	15	
								16	.	
								17		
								18		

10 $9 \cdot 9 - 3$

12 Round 38.4 to the nearest whole number.

13 $10 - 5.5$

14 Solve for y.
 $\frac{18}{23} \cdot \frac{2}{3} = \frac{36}{y}$

16 2.9% of 200

17 88, 90, 92, 94, _____

18 $30 + 6 + 3$

DOWN

1 Solve for y.
 $\frac{14}{34} \cdot \frac{7}{19} = \frac{y}{646}$

a. answer: _____

Write the numeral eight hundred ninety-two.

b. answer: _____

Full 1 down answer:

<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
a	a	b	b	b

2 $82 \div 2 \cdot 17$

a. answer: _____

Find x.
 $\frac{5}{x} = \frac{1}{17}$

b. answer: _____

Full 2 down answer:

<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
a	a	a	b	b

3 $3.47 = \underline{\hspace{1cm}} \%$

a. answer: _____

$116 \div 4$

b. answer: _____

Full 3 down answer:

<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
a	a	a	b	b

Name: _____

DOWN

4 Find q . $q + 6 = 25$

a. answer: ____

6,465; 6,409; ____; 6,297

b. answer: ____

Full 4 down answer:

____	____	____	____	____	____
a	a	b	b	b	b

6 What decimal is
precisely halfway
between 30.6 and 30.8?

11 Round 8.35117 to the
nearest thousandth.

12 $37 - 3 \cdot 1$

13 Which is closer to a
multiple of 8?
44 or 43

14 6,555; 6,574; ____; 6,612

15 $12 - 2.31$

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$$440 + 3948 + 735 =$$

Reduce $\frac{12}{27}$ to its lowest
terms.

73 is what percent of 146?

$$\begin{array}{r} 35,159 \\ - 22,405 \\ \hline \end{array}$$

Find 4% of 150.

Change 0.27 to a percent.

Name: _____

$$\begin{array}{r} 82 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ - 8 \\ \hline \end{array}$$



$80 \times 5 =$

$44 \times 9 =$

$39 \times 5 =$

$22 \times 7 =$

$43 \times 6 =$

$86 \times 7 =$

$65 \times 2 =$

$78 \times 8 =$

$19 \times 3 =$

$85 \times 9 =$

$81 \times 3 =$

$51 \times 3 =$



$36 - \underline{\quad} = 30$

$\underline{\quad} - 2 = 92$

$81 - \underline{\quad} = 74$

$\underline{\quad} - 9 = 29$

$\underline{\quad} - 3 = 74$

$72 - \underline{\quad} = 65$

$97 - \underline{\quad} = 94$

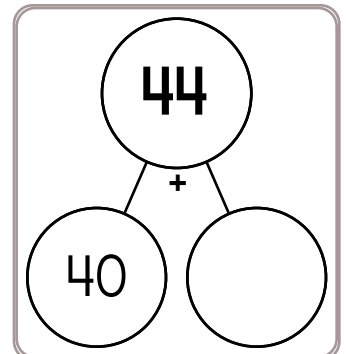
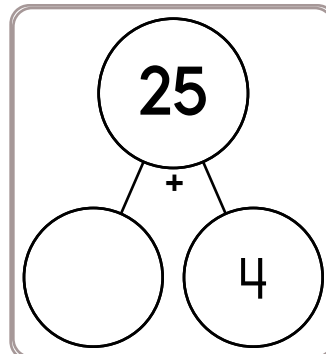
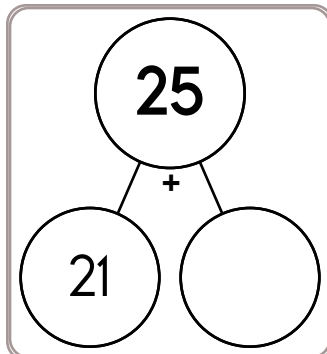
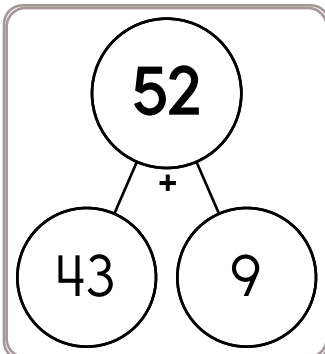
$\underline{\quad} - 2 = 64$

$\underline{\quad} - 7 = 18$

$\underline{\quad} - 4 = 13$

$71 - \underline{\quad} = 62$

$96 - \underline{\quad} = 88$



Name: _____

$$\begin{array}{r} 85 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ - 5 \\ \hline \end{array}$$

$$\frac{1}{6} \times \frac{3}{4} =$$

$$\frac{1}{2} \times 12 =$$

$$\frac{3}{10} \div 9 =$$

$$\begin{array}{c} \bigcirc \\ \diagup \quad \diagdown \\ x \\ \bigcirc \quad \bigcirc \\ 12 \quad 9 \end{array}$$

$$\begin{array}{c} \bigcirc \\ \diagup \quad \diagdown \\ x \\ \bigcirc \quad \bigcirc \\ 12 \quad 2 \end{array}$$

$$\begin{array}{c} \bigcirc \\ \diagup \quad \diagdown \\ x \\ \bigcirc \quad \bigcirc \\ 5 \quad 4 \end{array}$$

$$\begin{array}{c} \bigcirc \\ \diagup \quad \diagdown \\ x \\ \bigcirc \quad \bigcirc \\ 2 \quad 11 \end{array}$$

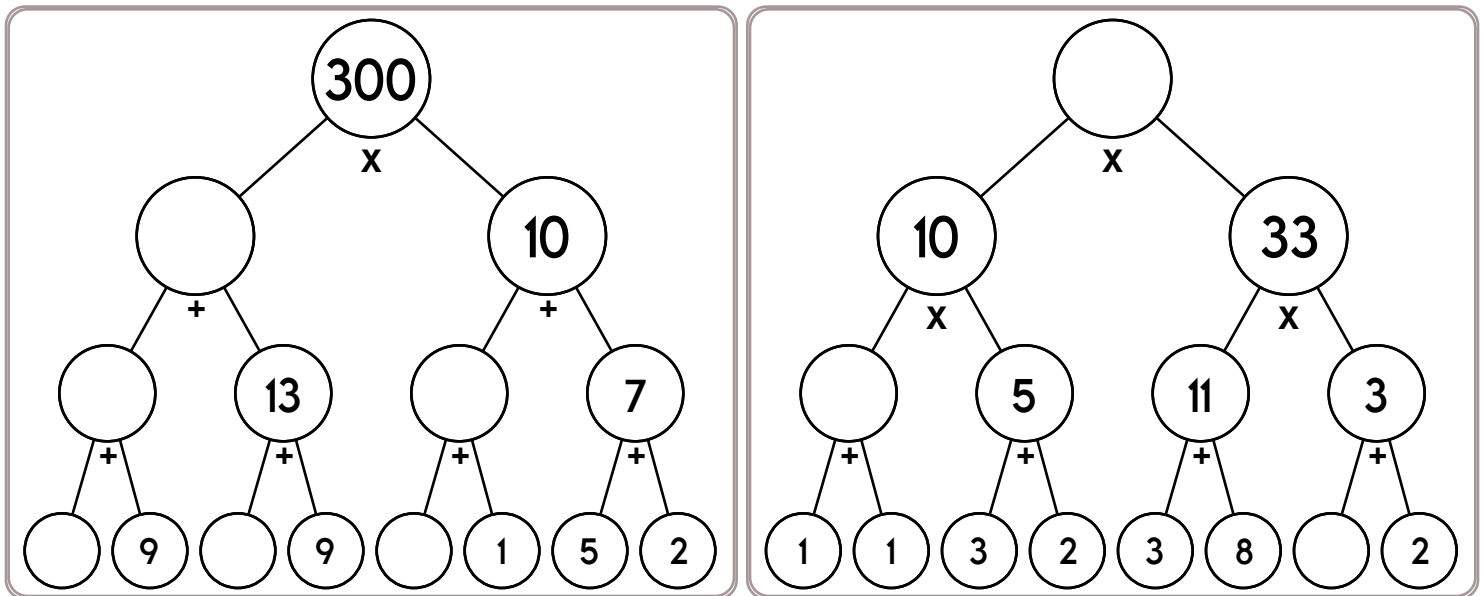
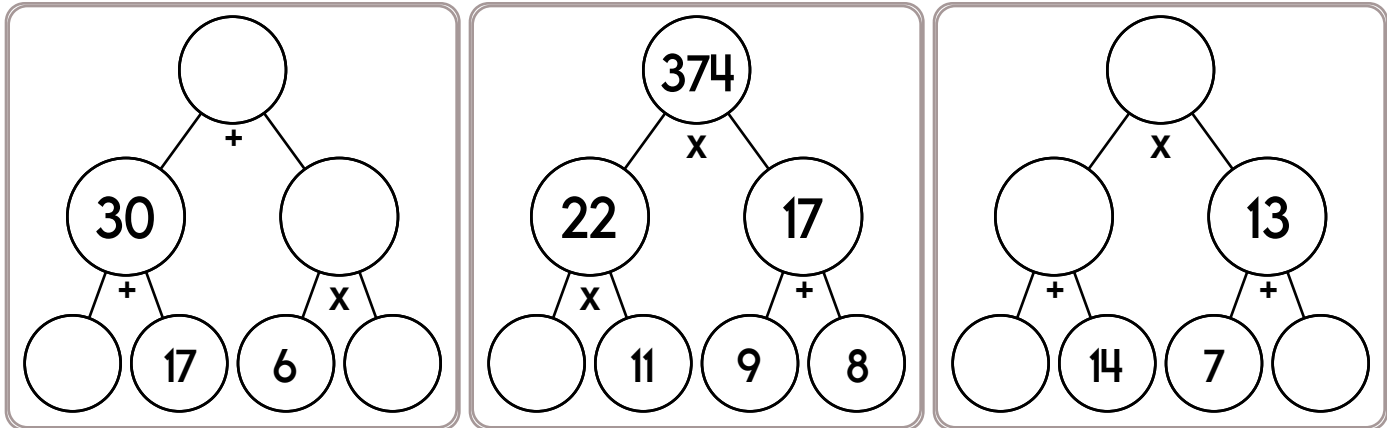
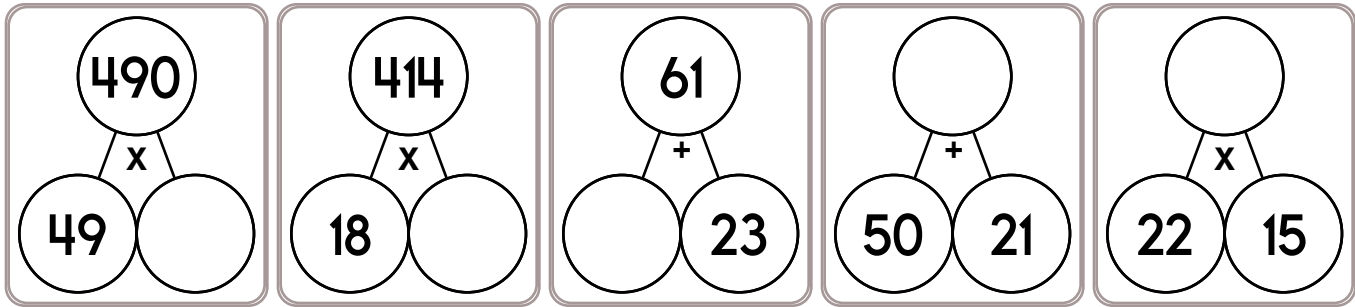
$$\begin{array}{c} \bigcirc \\ \diagup \quad \diagdown \\ x \\ \bigcirc \quad \bigcirc \\ 4 \quad 7 \end{array}$$

$$\begin{array}{c} \bigcirc \\ \diagup \quad \diagdown \\ x \\ \bigcirc \quad \bigcirc \\ 8 \quad 7 \end{array}$$

$$\begin{array}{c} \bigcirc \\ \diagup \quad \diagdown \\ x \\ \bigcirc \quad \bigcirc \\ 8 \quad 11 \end{array}$$

$$\begin{array}{c} \bigcirc \\ \diagup \quad \diagdown \\ x \\ \bigcirc \quad \bigcirc \\ 3 \quad 10 \end{array}$$

Name: _____



$$7 + \frac{1}{2} - \frac{1}{3} =$$

$$\begin{array}{r} 7 \\ - 2\frac{4}{6} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{4}{6} \\ + \frac{5}{6} \\ \hline \end{array}$$

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Write each as a decimal.

$17\frac{48}{100} =$

$5\frac{6}{10} =$

$12\frac{89}{100} =$

$12\frac{55}{100} =$

$12\frac{26}{100} =$

$2\frac{1}{10} =$

$$\begin{array}{r}
 993,347 \\
 72,278 \\
 657,815 \\
 + 8,087,636 \\
 \hline
 \end{array}$$

Reduce $\frac{15}{45}$ to its lowest terms.

Name: _____

Change $\frac{33}{50}$ to a decimal.

Change $\frac{9}{20}$ to a decimal.

Change $\frac{3}{8}$ to a decimal.

It was 5 degrees above zero in the morning. By afternoon the temperature rose 19 degrees. How warm was it?

How many centimeters in 640.3 meters?

Write $\frac{16}{20}$ in lowest terms.

Circle the percentage that is closest to 40 out of 58:

32%
50%
16%
82%

$t - 8 + t = 22$
What is the value of t ?

Simplify.

$$\frac{10}{20} =$$

$x - 4 = 1$
What is the value of x ?

What is the least common multiple of 3 and 14?

What is the least common multiple of 2 and 8?

Name: _____

Write as a decimal.

$$19 \frac{6}{10}$$

Write as a decimal.

$$\frac{4}{10}$$

Use >, <, or = to complete.

$$6.5 \underline{\hspace{1cm}} 5.9$$

$$9.5 \underline{\hspace{1cm}} 9.7$$

$$3.93 \underline{\hspace{1cm}} 3.81$$

$$7.2 \underline{\hspace{1cm}} 6.8$$

$$0.3 \underline{\hspace{1cm}} 0.22$$

$$8.1 \underline{\hspace{1cm}} 8.6$$

$$5.4 \underline{\hspace{1cm}} 5.0$$

$$-12 \div -3 =$$

$$-11 - -5 =$$

$$34 + -49 =$$

$$3 + (40 \div 4) - 27 \div 3 =$$

Each side of a regular pentagon is 58.8 centimeters. What is the perimeter?

$$\frac{4}{9} \times \frac{3}{9}$$

$$9v - 8.6 = 27.4$$

$$v =$$

Circle the least amount:

48%

0.39

$$\frac{7}{25}$$

If $z = 9$ and $d = -25$ then what is the value of s ?

$$8z - 11d + 2d = s$$

Name: _____

The height of one of the triangular sides of the Great Pyramid is approximately 481 ft. Its base is 756 ft long. What is the area of one of the sides?

The deepest lake in the world is Lake Baikal in Russia. It is 5,371 feet deep - a little over a mile deep! The depth of Lake Barrine in Australia is only 4% of the depth of Lake Baikal. How deep is Lake Barrine?

In the election of 1860, Lincoln received 1,865,593 popular votes, 40% of the total votes cast. How many people voted in the 1860 election? Round your answer to the nearest whole number.

There will be an Arbor Day ceremony in the park at 3:30 p.m. It takes Mr. and Mrs. Thompson 22 minutes to walk to the park. It is 1:05 p.m. now. How long is it until they should leave to be on time?

Write 2,225 in words.

$$\begin{array}{r} 289 \\ + 490 \\ \hline \end{array}$$

$$774 + 643 = \underline{\hspace{2cm}}$$

$$2 \times 6 = \underline{\hspace{2cm}}$$

$$60 \div 6 = \underline{\hspace{2cm}}$$

What time is 14 hours after 5:00 a.m.?

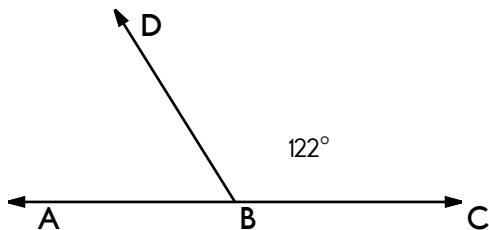
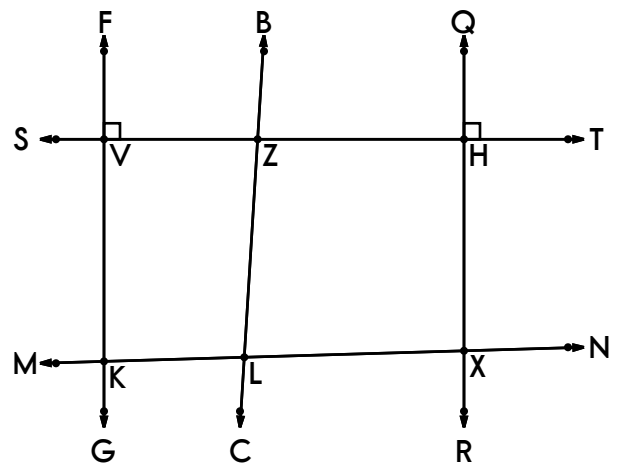
$$24 \div 4 = \underline{\hspace{2cm}}$$

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What is the measure of $\angle ABD$?

Name 2 lines which include point H.

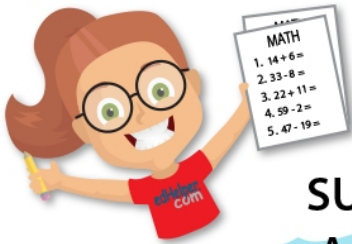
Name 3 angles.

Name 3 rays.

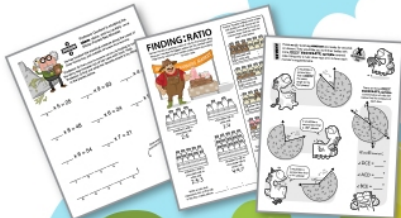
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Write each as a decimal.

$$1315 \frac{9}{10000} =$$

$$8439 \frac{2}{10} =$$

$$840 \frac{55}{100} =$$

$$493 \frac{99}{1000} =$$

Change 5% to a decimal.

Reduce each fraction to its lowest terms.

$$\frac{2}{4} =$$

$$\frac{14}{28} =$$

$$\frac{8}{16} =$$

$$\frac{15}{27} =$$

$$\frac{3}{6} =$$

$$\frac{70}{90} =$$

$$33 \div 3 = \underline{\hspace{2cm}}$$