

Name: _____

Mental Math

— #1 —

❖ Start with the number 116.

116



❖ Subtract 11.

5 5 2 4 1 9 1 0 5 9 (Circle your answer to double check you are correct.) _____

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

3 6 9 8 1 1 4 8 6 8 _____

❖ Add half of 44.

1 0 7 1 9 2 8 9 2 3 _____

❖ Add the number of nickels in a dollar.

5 6 4 8 3 1 1 9 6 4 _____

❖ Subtract 21.

1 3 9 4 8 9 2 2 7 7 _____

❖ Add 9.

3 6 7 6 9 8 3 3 8 8 _____

❖ Find the square root.

2 1 9 6 3 6 6 2 6 8 _____

❖ Add 46.

9 0 6 8 5 2 7 0 5 4 _____

❖ Subtract the number of inches in 2 feet.

5 9 8 3 2 5 2 8 9 9 _____

❖ Round that number to the nearest ten.

8 3 0 8 4 6 7 8 3 1 _____

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$$79 \overline{) 869}$$

Divide and write remainder.

$$3 + 5 + 3 =$$

$$5 \overline{) 8222}$$

Divide and write remainder.

Reduce each fraction to a mixed numeral in its lowest terms.

$$\frac{45}{45} =$$

$$\frac{6}{18} =$$

$$\frac{70}{30} =$$

$$\frac{153}{18} =$$

$$\frac{104}{16} =$$

$$\frac{70}{14} =$$

$$\begin{array}{r} \frac{1}{6} \\ \frac{2}{6} \\ + \frac{4}{6} \\ \hline \end{array}$$

$$23 \div \frac{5}{7} =$$

$$\begin{array}{r} 6,650.08 \\ 8,301,611.27 \\ + 50,704,736.2 \\ \hline \end{array}$$

$$\begin{array}{r} 844.63 \\ 3.2 \\ 78.2 \\ + 418.9 \\ \hline \end{array}$$

Rewrite as a vertical equation and solve.
 $64.796 + 64.796 + 15.6$

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Ready to make equations? There is a missing equation in each box.

Circle the numbers once you find it!

A

69	67	77	
-	86	54	42
	89	38	16
	72	59	33

Find a subtraction fact.

B

52	97	20	
-	92	34	68
	8	82	50
	65	19	77

Find a subtraction fact.

C

36	57	10	
-	56	39	97
	82	7	53
	34	12	58

Find a subtraction fact.

Equations:

Write the equation facts you found.

A	54	-	16	=	38
B	97	-		=	
C		-	39	=	

5 - 14 =

17 + -4 = ____

On a number line, what is the number that is 9 spaces right of -5?

17 - 4 = ____

How many centimeters in 8.7 meters?

50, 60, 70, _____, 90, 100

H, J, I, K, J, L, K, M,

_____, N

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<p>Of the 225 students at Marion School, about $\frac{3}{8}$ of them have unique first names. What percent of them have unique first names?</p>	<p>Gavin's first jazz piano performance lasted $11\frac{1}{2}$ minutes. His second piece lasted $7\frac{16}{60}$ minutes. Which lasted longer? How much longer? (Round off the answer to the nearest 0.01 minute.)</p>	<p>Wendy made a poster for National Honesty Day. The poster was 28 inches by 16 inches. She used $\frac{1}{8}$ of the area of the poster for her title. How many square inches did she use for her title?</p>
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$70 \div 10 =$	<p>1 lb = 16 oz 22 lb = _____ oz</p>	$3 \times 6 =$ _____
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<p>Jason has two pennies and one dime. He also has one other coin that is different from the rest of his coins. How much could he have?</p>	$\begin{array}{r} 33 \\ + 46 \\ \hline \end{array}$	$9 \times 7 =$
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<p>Megan rolls a die. What is the chance of her rolling a 2? _____</p>	$90 \div 10 =$ _____	$\begin{array}{r} 67 \\ - 36 \\ \hline \end{array}$	$\begin{array}{r} 840 \\ - 379 \\ \hline \end{array}$
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$68,517 + 98,622 =$ _____	<p>How many millimeters are in 6 centimeters? _____ millimeters</p>
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Name: _____

<p>Sarah took three numbers greater than 1 and multiplied them. One number was seven and the other number was fourteen. Of course, she forgot the last number, but she remembered the product was 490. Is this possible?</p>	<p>16 km = _____ m</p>
	<p>11 x 8 =</p>

<p>11 x 10 = _____</p>	<p>Circle the addition property for $26 + 38 = 38 + 26$. associative property commutative property</p>	$\begin{array}{r} 327 \\ + 465 \\ \hline \end{array}$
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<p>What number is halfway between 34 and 49?</p>	<p>4 x 6 = _____</p>	<p>Three fancy pens cost \$9. At that rate, what is the cost of 12 fancy pens?</p>
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<p>Can 281 be evenly divided by 12? Circle: 281 is evenly divisible by 12 281 is NOT evenly divisible by 12</p>	<p>12 x 7 = _____</p>	<p>3 x 6 =</p>
	<p>72 ÷ 12 =</p>	

<p>What time is 17 hours after 1:00 p.m.? _____</p>	<p>You cannot decide what pizza store to go to. Emily's pizza cuts their pizza into 3 slices. Each slice costs \$4 each. Anna's pizza cuts their pizza into 6 slices. Each slice costs \$3 each. If you like each pizza the same, which pizza store has the better buy?</p>
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Name: _____

$44,283 - 16,422 =$ _____	$783 - 454 =$ _____
<p>Adam took three numbers greater than 1 and multiplied them. One number was five and the other number was sixteen. Of course, he forgot the last number, but he remembered the product was 127. Is this possible?</p>	<p>Can 649 be evenly divided by 11? Circle: 649 is evenly divisible by 11 649 is NOT evenly divisible by 11</p>

$533 + 986 =$ _____	$(3 + 7) + 4 =$ _____
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<p>Wendy rolls two dice. What is the chance of her rolling a 1 on one die and a 4 on the other die?</p> <p>_____</p>	<p>What is the largest possible sum of a three-digit number and a two-digit number? Show the two numbers.</p>
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$30 \div 5 =$ _____	$35 \div 5 =$ _____	<p>Write the numbers 30 to 55 on a sheet of paper. How many of these numbers are divisible by 8?</p> <p>_____</p>
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<p>Write an equation to represent this:</p> <p>The difference between seventeen and three is fourteen.</p> <p>_____</p>	$63,984 - 36,543 =$ _____
	$47,628 + 85,521 =$ _____

Name: _____

Italy, Norway, and Austria were awarded gold (4, 2, and 3), silver (8, 3, and 2), and bronze (6, 2, and 3) medals. Figure out how many of each type of medals were won by each of the three countries.

For example, country x may have won 4 gold, 2 silver, and 2 bronze medals. However, if country x won 4 gold medals, that means country z did not win 4 gold medals. Instead, country z may have won 2 gold medals.

Use the clues to figure out the number of medals awarded to each country.

1. One country won an odd number of bronze medals and two silver medals.
2. Austria won the fewest bronze medals.
3. Italy won a total of eight medals.
4. Norway won the most bronze medals.
5. Norway won two silver medals in alpine skiing as well as three silver medals in figure skating.
6. Italy won either two or three silver medals.
7. Austria won more silver medals than gold medals. Austria also won more silver medals than bronze medals.
8. Austria won either two or four gold medals.

Italy won _____ gold medal(s), _____ silver medal(s), and _____ bronze medal(s).

Norway won _____ gold medal(s), _____ silver medal(s), and _____ bronze medal(s).

Austria won _____ gold medal(s), _____ silver medal(s), and _____ bronze medal(s).

$29,568 + 25,115 =$ _____

Circle the digit in the tenths place.

927.4587

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It takes Sarah 28 seconds to fill a water bottle. How long would it take her to fill 4 water bottles?

Megan decided to help Sarah fill 4 water bottles. How long do you think it will take for them to work together to fill 4 bottles?

Two robots can jump 18 times in 3 minutes.
Five robots can jump 45 times in 3 minutes.

One robot can jump

45 times in _____ minutes.

Hint: If one robot is to do the same number of jumps as five robots, it will need five times as long to do that.

How many robots are needed to do 99 jumps in 3 minutes?

A car's engine can go 4,500 rpm or revolutions per minute. The rpm measures how many times the engine's crankshaft makes one full rotation in one minute. If the car runs continuously at 4,500 rpm, how many minutes will it take for the engine's crankshaft to make 40,500 full rotations?

David wants to hang out with friends at the bowling alley. The closest bowling alley he found offers lane rentals for \$6.50 per hour from 11 a.m. until 5 p.m. After 5 p.m., prices jump to \$7 per hour. If David rents a lane for 3 hours starting at 4 p.m., how much will he have to pay?

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39	+15		$-\frac{1}{5}$		-29		+16
	$+\frac{1}{5}$		$+2\frac{1}{2}$		$-\frac{1}{2}$		$-\frac{1}{5}$
+7							
	-39	$24\frac{1}{2}$	$+5\frac{1}{2}$		+46		$+6\frac{1}{5}$ $68\frac{1}{2}$

$12\frac{5}{11}$	+14		$-\frac{7}{11}$		+33		-5		$+\frac{2}{11}$
					$-\frac{3}{11}$				
	$-\frac{1}{4}$	$65\frac{5}{11}$	-1		$+7\frac{10}{11}$				
							$223\frac{1}{22}$		
+60							$-\frac{10}{11}$		$-8\frac{1}{4}$
									$190\frac{43}{44}$
	$+3\frac{2}{4}$	$128\frac{31}{44}$	+36		+59				$+\frac{1}{4}$

Name: _____

$$\begin{array}{r} \$0.84 \\ - \$0.42 \\ \hline \end{array}$$

$$\begin{array}{r} \$0.14 \\ + \$0.51 \\ \hline \end{array}$$

$$\begin{array}{r} \$0.87 \\ - \$0.26 \\ \hline \end{array}$$

$$\begin{array}{r} \$0.42 \\ + \$0.34 \\ \hline \end{array}$$

$$\begin{array}{r} \$0.76 \\ - \$0.44 \\ \hline \end{array}$$

$$\begin{array}{r} \$0.33 \\ + \$0.27 \\ \hline \end{array}$$

$$\begin{array}{r} \$ 7.52 \\ + \$14.44 \\ \hline \end{array}$$

$$\begin{array}{r} \$29.96 \\ + \$37.47 \\ \hline \end{array}$$

$$\begin{array}{r} \$13.72 \\ - \$ 4.00 \\ \hline \end{array}$$

$$\begin{array}{r} \$9.30 \\ - \$1.36 \\ \hline \end{array}$$

$$\begin{array}{r} \$12.00 \\ - \$ 8.45 \\ \hline \end{array}$$

$$\begin{array}{r} \$18.41 \\ - \$15.94 \\ \hline \end{array}$$

$$\begin{array}{r} \$11.27 \\ + \$12.14 \\ \hline \end{array}$$

$$\begin{array}{r} \$17.00 \\ - \$16.98 \\ \hline \end{array}$$

$$\begin{array}{r} \$15.33 \\ + \$ 2.11 \\ \hline \end{array}$$

$$\begin{array}{r} \$ 2.30 \\ + \$2.50 \\ \hline \end{array}$$

$$\$27.62 + \$18.90 = \underline{\hspace{2cm}}$$

$$\$11.03 - \$4.08 = \underline{\hspace{2cm}}$$

$$\$27.34 + \$21.60 = \underline{\hspace{2cm}}$$

$$\$11.49 + \$13.67 = \underline{\hspace{2cm}}$$

$$\$11.90 - \$11.12 = \underline{\hspace{2cm}}$$

$$\$18.40 - \$13.79 = \underline{\hspace{2cm}}$$

$$\$15.22 + \$2.46 = \underline{\hspace{2cm}}$$

$$\$25.31 - \$21.97 = \underline{\hspace{2cm}}$$

$$\$28.92 - \$20.30 = \underline{\hspace{2cm}}$$

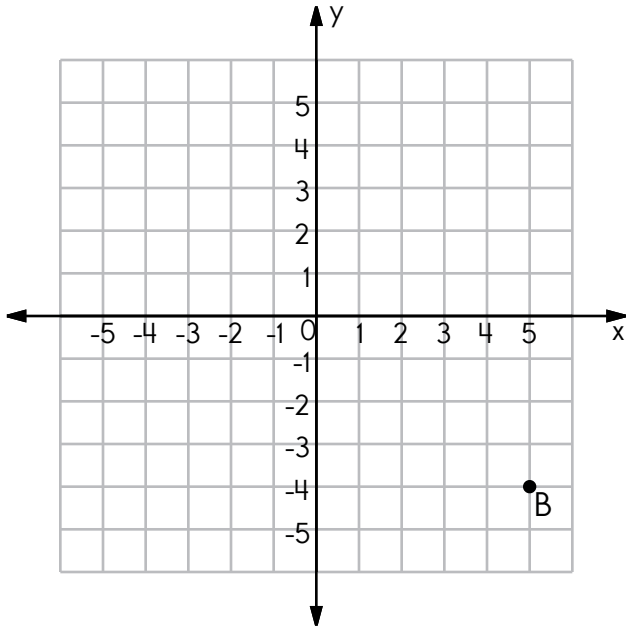
$$\$30.99 + \$34.07 = \underline{\hspace{2cm}}$$

Change $\frac{54}{12}$ to a mixed number.

Write the decimal in words.
13.1

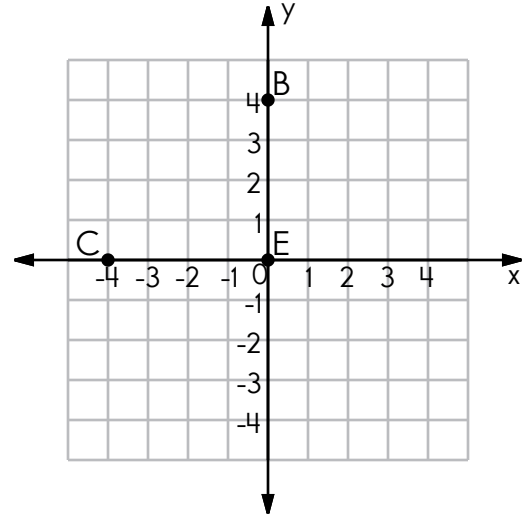
1,829 is how much more than 60?

Name: _____

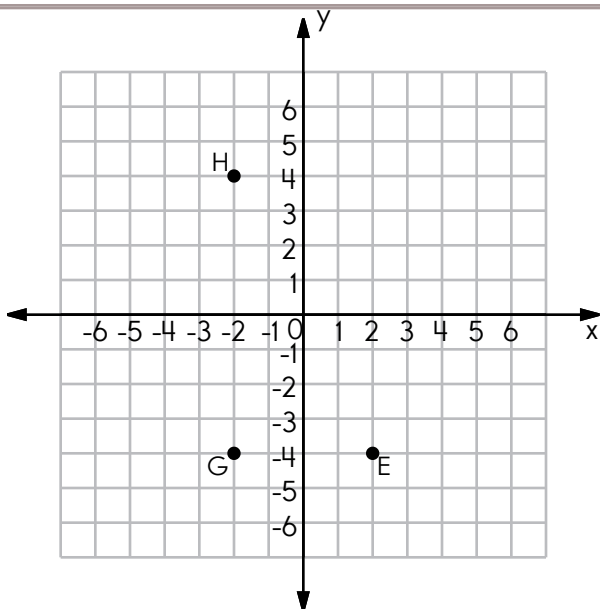


Point is in Quadrant .

The coordinates of B are .

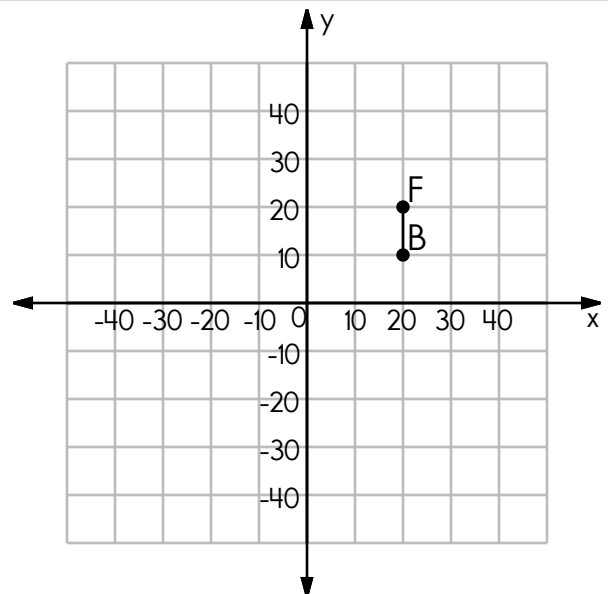


The point is on the origin
and its coordinates are .



Which 2 points are reflections of each other
across the y-axis?

Point and Point



What is the length of \overline{BF} ?
 units

Draw a line between points C(10, 40)
and H(10, -10). What is the length?

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Reduce $\frac{28}{72}$ to its lowest terms.

Reduce $\frac{4}{28}$ to its lowest terms.

$$\begin{array}{r} 356 \\ + 44 \\ \hline \end{array}$$

Change $\frac{14}{40}$ to a decimal.

$$\begin{array}{r} 18.3 \\ + 16.43 \\ \hline \end{array}$$

$$\begin{array}{r} 31,873 \\ 70,004 \\ 14,537 \\ + 30,481 \\ \hline \end{array}$$

Find 72% of 304.

Write the decimal number for:
seventy-four thousandths

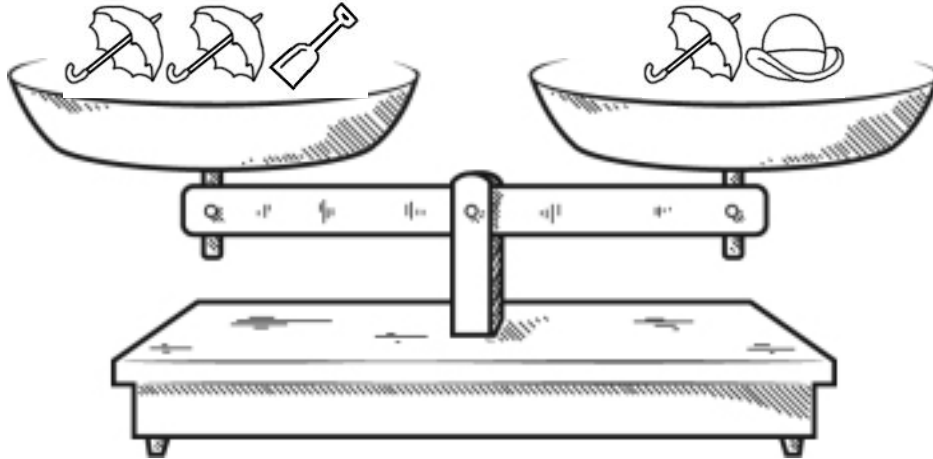
$$\begin{array}{r} \frac{4}{8} \\ + 7\frac{1}{8} \\ \hline \end{array}$$



Write the decimal number for:
seven hundred twenty-seven and five thousandths

$$\begin{array}{r} 97.2 \\ + 39.5 \\ \hline \end{array}$$



$$8,465 - 644 =$$

Name: _____





 < 




True False

 = 








True False

 < 








True False

  > 








True False

   =    

True False

   =    

True False

    =   

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.

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

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Each box needs a number from 1 to 9. You may re-use numbers.

		sum of 5 ↓		sum of 7 →		3	
sum of 3 →							sum of 7 ↓
sum of 4 →					sum of 9 →		
sum of 4 ↓	sum of 6 ↓		sum of 10 ↓		sum of 6 →		2
				sum of 10 ↓	sum of 7 ↓		
	2	sum of 5 →	2	1	2	sum of 10 ↓	
			5				
				2			

		sum of 6 ↓	sum of 6 ↓			sum of 10 ↓	
	sum of 9 →	2					sum of 10 ↓
sum of 7 →	2	4	1	sum of 6 ↓	sum of 10 ↓		
sum of 4 ↓		sum of 6 ↓	2				
1	sum of 9 ↓	3					
			sum of 5 ↓			sum of 3 ↓	
2					sum of 4 →		
				sum of 4 →			

Can 443 be evenly divided by 4? Circle:
 443 is evenly divisible by 4
 443 is NOT evenly divisible by 4

$18 \div 3 = \underline{\hspace{2cm}}$

You can buy 3 toys for \$15 at the store. At this rate, what would be the cost of fifteen toys?

$9 \times 8 = \underline{\hspace{2cm}}$

Circle the smallest number:
 78,146,359,783
 263,950,187,402
 14,625
 90,310,472

$5,564 + 1,155 = \underline{\hspace{2cm}}$

$718 - 621 = \underline{\hspace{2cm}}$

$8 \times 10 = \underline{\hspace{2cm}}$

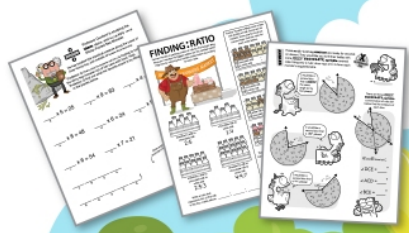
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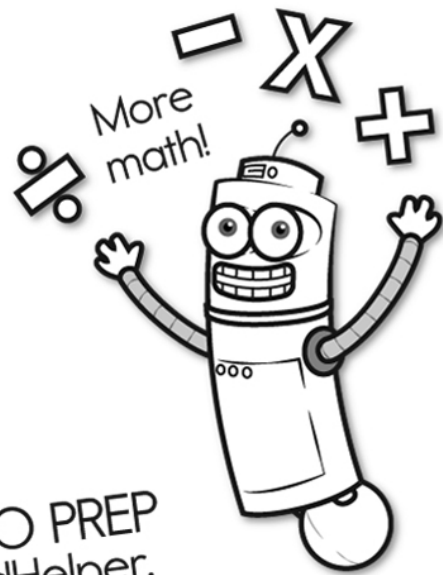
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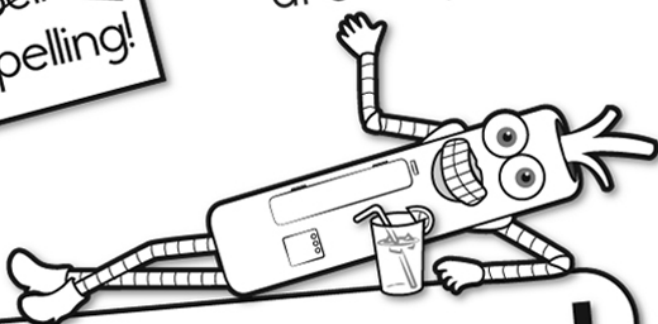


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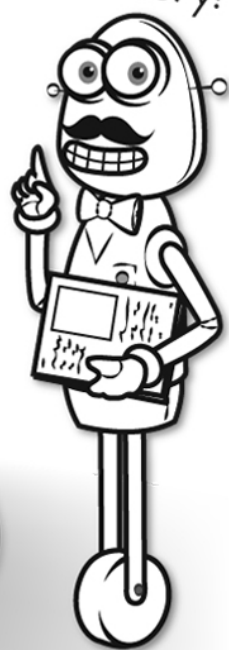


It's NO PREP at edHelper.

More history!



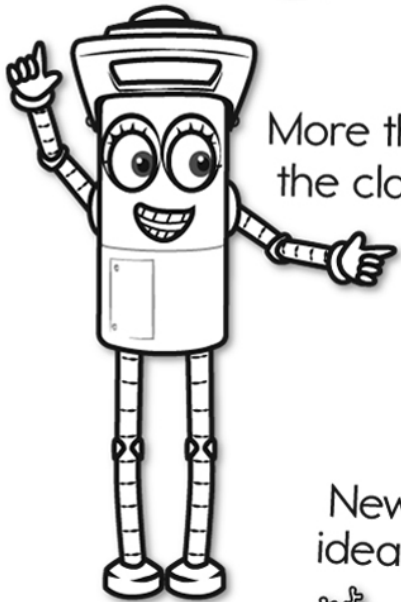
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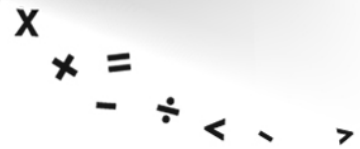
More things for the classroom!



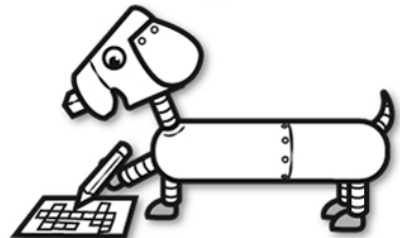
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