

Name: \_\_\_\_\_

84	$-\frac{3}{12}$		+49		$+\frac{5}{12}$		-27	
			-18		$+\frac{3}{9}$		+19	
+5		$-7\frac{6}{9}$						
					-55		$-8\frac{1}{4}$	
$+\frac{3}{9}$								
					+2		$+9\frac{1}{9}$	
$-\frac{5}{12}$								
					$-\frac{3}{4}$		+1	
+37		+13		$-4\frac{3}{4}$	$157\frac{1}{4}$		+28	$126\frac{1}{9}$

Fill in the missing letters. Write oo or ua.

cas\_\_\_\_\_l

ann\_\_\_\_\_l

tr\_\_\_\_\_ncy

r\_\_\_\_\_fs

c\_\_\_\_\_perate

presch\_\_\_\_\_l

br\_\_\_\_\_ch

us\_\_\_\_\_l



Name: \_\_\_\_\_

Ready for a challenge? See how long this takes.

My starting time: \_\_\_\_\_ : \_\_\_\_\_ and \_\_\_\_\_ seconds.

My ending time: \_\_\_\_\_ : \_\_\_\_\_ and \_\_\_\_\_ seconds.

Find the LCM using the Birthday Cake method.

<div style="display: flex; align-items: center; margin-bottom: 5px;">2   90   180</div> <hr style="border: 0.5px solid black; margin: 2px 0;"/> <div style="display: flex; align-items: center; margin-bottom: 5px;">3   45   90</div> <hr style="border: 0.5px solid black; margin: 2px 0;"/> <div style="display: flex; align-items: center; margin-bottom: 5px;">3   15   30</div> <hr style="border: 0.5px solid black; margin: 2px 0;"/> <div style="display: flex; align-items: center; margin-bottom: 5px;">5   5   10</div> <hr style="border: 0.5px solid black; margin: 2px 0;"/> <div style="display: flex; align-items: center;">1   2</div> <p style="margin-top: 20px;">LCM: <u>2 x 9 x 5 x 1 x 2 = 180</u></p>	<div style="display: flex; align-items: center; margin-bottom: 5px;">5   240   160</div> <hr style="border: 0.5px solid black; margin: 2px 0;"/> <div style="display: flex; align-items: center; margin-bottom: 5px;">4   48   32</div> <hr style="border: 0.5px solid black; margin: 2px 0;"/> <div style="display: flex; align-items: center;">4   12   8</div> <p style="margin-top: 20px;">LCM: _____</p>
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<div style="display: flex; align-items: center; margin-bottom: 5px;">3   18   33</div> <hr style="border: 0.5px solid black; margin: 2px 0;"/> <p style="margin-top: 20px;">LCM: _____</p>	<div style="display: flex; align-items: center; margin-bottom: 5px;">4   48   40</div> <hr style="border: 0.5px solid black; margin: 2px 0;"/> <p style="margin-top: 20px;">LCM: _____</p>	<div style="display: flex; align-items: center; margin-bottom: 5px;">5   35   40</div> <hr style="border: 0.5px solid black; margin: 2px 0;"/> <p style="margin-top: 20px;">LCM: _____</p>
<div style="display: flex; align-items: center; margin-bottom: 5px;">39   21</div> <hr style="border: 0.5px solid black; margin: 2px 0;"/> <p style="margin-top: 20px;">LCM: _____</p>	<div style="display: flex; align-items: center; margin-bottom: 5px;">15   24</div> <hr style="border: 0.5px solid black; margin: 2px 0;"/> <p style="margin-top: 20px;">LCM: _____</p>	<div style="display: flex; align-items: center; margin-bottom: 5px;">32   14</div> <hr style="border: 0.5px solid black; margin: 2px 0;"/> <p style="margin-top: 20px;">LCM: _____</p>



Name: \_\_\_\_\_

Ready for a challenge? See how long this takes.

My starting time: \_\_\_\_\_ : \_\_\_\_\_ and \_\_\_\_\_ seconds.

My ending time: \_\_\_\_\_ : \_\_\_\_\_ and \_\_\_\_\_ seconds.

Find the LCM using the Birthday Cake method.



<div style="display: flex; align-items: center; border-bottom: 1px solid black;"> <span style="margin-right: 10px;">5</span> <div style="border: 1px solid black; padding: 2px 10px;">25   30</div> </div> <div style="display: flex; align-items: center; border-bottom: 1px solid black; margin-top: 5px;"> <span style="margin-right: 10px;"></span> <div style="border: 1px solid black; padding: 2px 10px;">5   6</div> </div> <p style="margin-top: 20px;">LCM: <math>5 \times 5 \times 6 = 150</math></p>	<div style="display: flex; align-items: center; border-bottom: 1px solid black;"> <span style="margin-right: 10px;">4</span> <div style="border: 1px solid black; padding: 2px 10px;">20   12</div> </div> <p style="margin-top: 20px;">LCM: _____</p>
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<div style="display: flex; align-items: center; border-bottom: 1px solid black;"> <span style="margin-right: 10px;">5</span> <div style="border: 1px solid black; padding: 2px 10px;">30   25</div> </div> <p style="margin-top: 20px;">LCM: _____</p>	<div style="display: flex; align-items: center; border-bottom: 1px solid black;"> <span style="margin-right: 10px;">2</span> <div style="border: 1px solid black; padding: 2px 10px;">28   24</div> </div> <p style="margin-top: 20px;">LCM: _____</p>	<div style="display: flex; align-items: center; border-bottom: 1px solid black;"> <span style="margin-right: 10px;">3</span> <div style="border: 1px solid black; padding: 2px 10px;">54   72</div> </div> <p style="margin-top: 20px;">LCM: _____</p>
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<div style="display: flex; align-items: center; border-bottom: 1px solid black;"> <div style="border: 1px solid black; padding: 2px 10px; margin-right: 10px;">56   112</div> </div> <p style="margin-top: 20px;">LCM: _____</p>	<div style="display: flex; align-items: center; border-bottom: 1px solid black;"> <div style="border: 1px solid black; padding: 2px 10px; margin-right: 10px;">34   28</div> </div> <p style="margin-top: 20px;">LCM: _____</p>
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Name: \_\_\_\_\_

$\begin{array}{r} 31 \\ + 34 \\ \hline \end{array}$	Rewrite these in increasing order of length: 840 cm, 959 m, 80 dm	$108 \div 12 = \underline{\hspace{2cm}}$
---	--	--

Write the numbers 35 to 60 on a sheet of paper. How many of these numbers are divisible by 4? _____	Circle the smallest number: 4,360 47,250,041 31,869 752,918	$10 \times 10 = \underline{\hspace{2cm}}$
--	---	---

$17 \text{ km} = \underline{\hspace{2cm}} \text{ m}$	Three girls ran a race. Wendy was not as fast as Megan. Megan ran past Hannah in the race and Hannah never caught up. Who won the race? Do you have enough information to know?	$\begin{array}{r} 685 \\ - 334 \\ \hline \end{array}$
$40 \div 5 = \underline{\hspace{2cm}}$		$\begin{array}{r} 35 \\ - 13 \\ \hline \end{array}$

$8,349 - 1,642 = \underline{\hspace{2cm}}$	Jenna rolls two dice. She adds the numbers on the two dice. What is the chance of this sum being nine?
$60 \div 10 = \underline{\hspace{2cm}}$	



Name: \_\_\_\_\_

$18 \div 2 = \underline{\hspace{2cm}}$	Here is a pattern of letters: <p style="text-align: center;">Z A Z X S Z A Z X S Z A . . .</p> What letter will be the 26th term in the pattern?	$4 \times 5 = \underline{\hspace{2cm}}$
$77 \div 11 = \underline{\hspace{2cm}}$		$8 \times 6 = \underline{\hspace{2cm}}$

$11 \times 10 = \underline{\hspace{2cm}}$	How many grams are in 8 kilograms? <p style="text-align: center;">_____ grams</p>	$4 \times 12 = \underline{\hspace{2cm}}$
---	--	--

A bike originally priced at \$110 is marked down by 30%. What is the sale price?	Can 262 be evenly divided by 8? Circle: 262 is NOT evenly divisible by 8 262 is evenly divisible by 8
--	---

Can 616 be evenly divided by 11? Circle: 616 is NOT evenly divisible by 11 616 is evenly divisible by 11	Maria is giving out candy, but you need to guess her favorite number if you want some. Her favorite number has three digits. The hundreds digit is 2 more than the ones digit. One digit in her number is one. The three digits add up to ten. The tens digit is 5 more than the ones digit.  Are you going to get candy?
--	---

Circle the digit in the hundredths place. 992.5254	What time is 13 hours after 2:00 p.m.? _____
---	---

Name: \_\_\_\_\_

$$6 \cdot + \cdot 2 \cdot = \cdot 8 \cdot 0 \cdot 7 \cdot 1 \cdot + \cdot 4 \cdot 1 \cdot 1 \cdot 1 \cdot 5 \cdot 0 \cdot 4 \cdot =$$

$$= \cdot 5 \cdot 3$$

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

$6,251 - 1,935 = \underline{\hspace{2cm}}$

$4 \times 8 = \underline{\hspace{2cm}}$

Amy and her little sister, Amanda, both have birthdays on the same day. Amy is eleven years old. Amanda is nine years old. Did you know that Amy was once double the age of Amanda? How many years ago was that?

$35 \div 5 = \underline{\hspace{2cm}}$

$7,384 - 5,576 = \underline{\hspace{2cm}}$

$32 \div 4 = \underline{\hspace{2cm}}$

$8,223 + 8,228 = \underline{\hspace{2cm}}$

$1,184 + 5,894 = \underline{\hspace{2cm}}$

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

Name: \_\_\_\_\_

$$\begin{array}{r} 3.04 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 0.09 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 60.1 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3.07 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5.6 \\ \times \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7.43 \\ \times \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2.68 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2.29 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8.57 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6.52 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6.26 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9.75 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9.55 \\ \times \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 71 \\ 64 \\ + 86 \\ \hline \end{array}$$

Write the decimal number  
for:  
twenty-four  
ten-thousandths

Change  $\frac{1}{4}$  to a  
decimal.

Name: \_\_\_\_\_

Use mental math to quickly solve.

$33.77 \div 10 = \underline{\hspace{2cm}}$

$0.634 \div 10 = \underline{\hspace{2cm}}$

$65.67 \div 10 = \underline{\hspace{2cm}}$

$0.787 \div 10 = \underline{\hspace{2cm}}$

$8,206.3 \div 100 = \underline{\hspace{2cm}}$

$9,127.1 \div 100 = \underline{\hspace{2cm}}$

$78.1 \div 100 = \underline{\hspace{2cm}}$

$0.56 \div 10 = \underline{\hspace{2cm}}$

$54.78 \div \underline{\hspace{2cm}} = 5.478$

$7,411.3 \div \underline{\hspace{2cm}} = 74.113$

$0.28 \div \underline{\hspace{2cm}} = 0.028$

$73.88 \div 10 = \underline{\hspace{2cm}}$

$99.6 \div 100 = \underline{\hspace{2cm}}$

$512.2 \div \underline{\hspace{2cm}} = 5.122$

$4 \overline{) 2.8}$

$2 \overline{) 6.6}$

$3 \overline{) 3.3}$

Name: \_\_\_\_\_

$$6 \overline{) 5.4}$$

$$5 \overline{) 4.0}$$

$$9 \overline{) 6.3}$$

$$7 \overline{) 8.4}$$

$$4 \overline{) 0.44}$$

$$10 \overline{) 2.9}$$

$$8 \overline{) 1.8}$$

$$5 \overline{) 5.0}$$

$$9 \overline{) 29.7}$$

$$\begin{array}{r} 6,414,473 \\ - 48,528 \\ \hline \end{array}$$

$$\begin{array}{r} 246.166 \\ + 1.5 \\ \hline \end{array}$$

Reduce  $\frac{3}{24}$  to its lowest terms.

Name: \_\_\_\_\_

Use any of these digits. Cross off a digit after you use it.

**5**

**0**

**7**

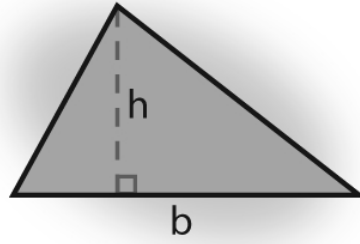
**4**

**7**

Write the largest 2-digit number that you can come up with that is less than 0. Remember that -1 is larger than -10.

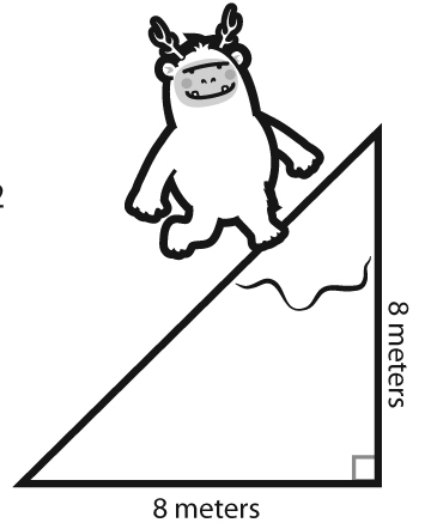
One side of a rectangle is 5 centimeters longer than the other side. The perimeter is 38 centimeters. How long is the shortest side?

Name: \_\_\_\_\_

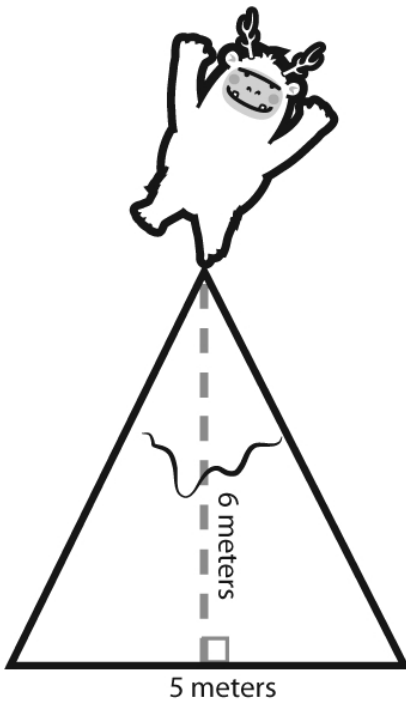


$$\text{area} = (\text{base} \times \text{height}) \div 2$$

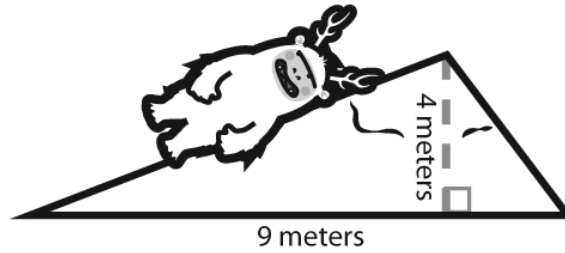
$$a = \frac{b \times h}{2}$$



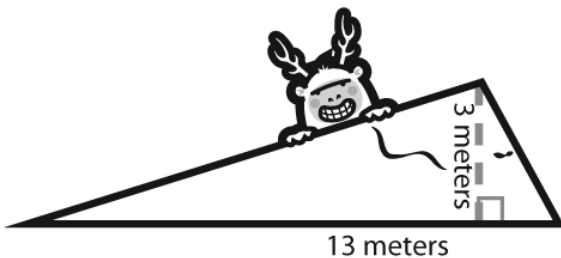
AREA =



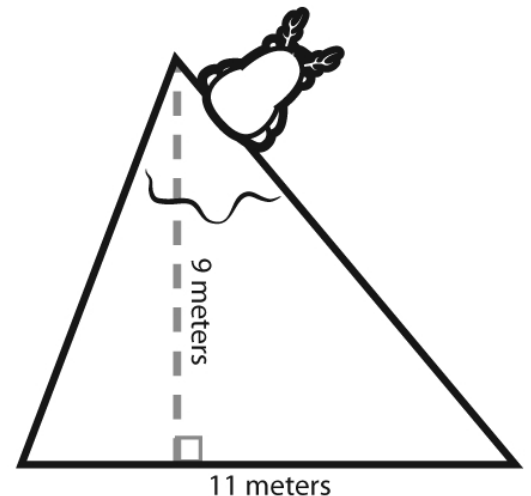
AREA =



AREA =



AREA =



AREA =

Name: \_\_\_\_\_

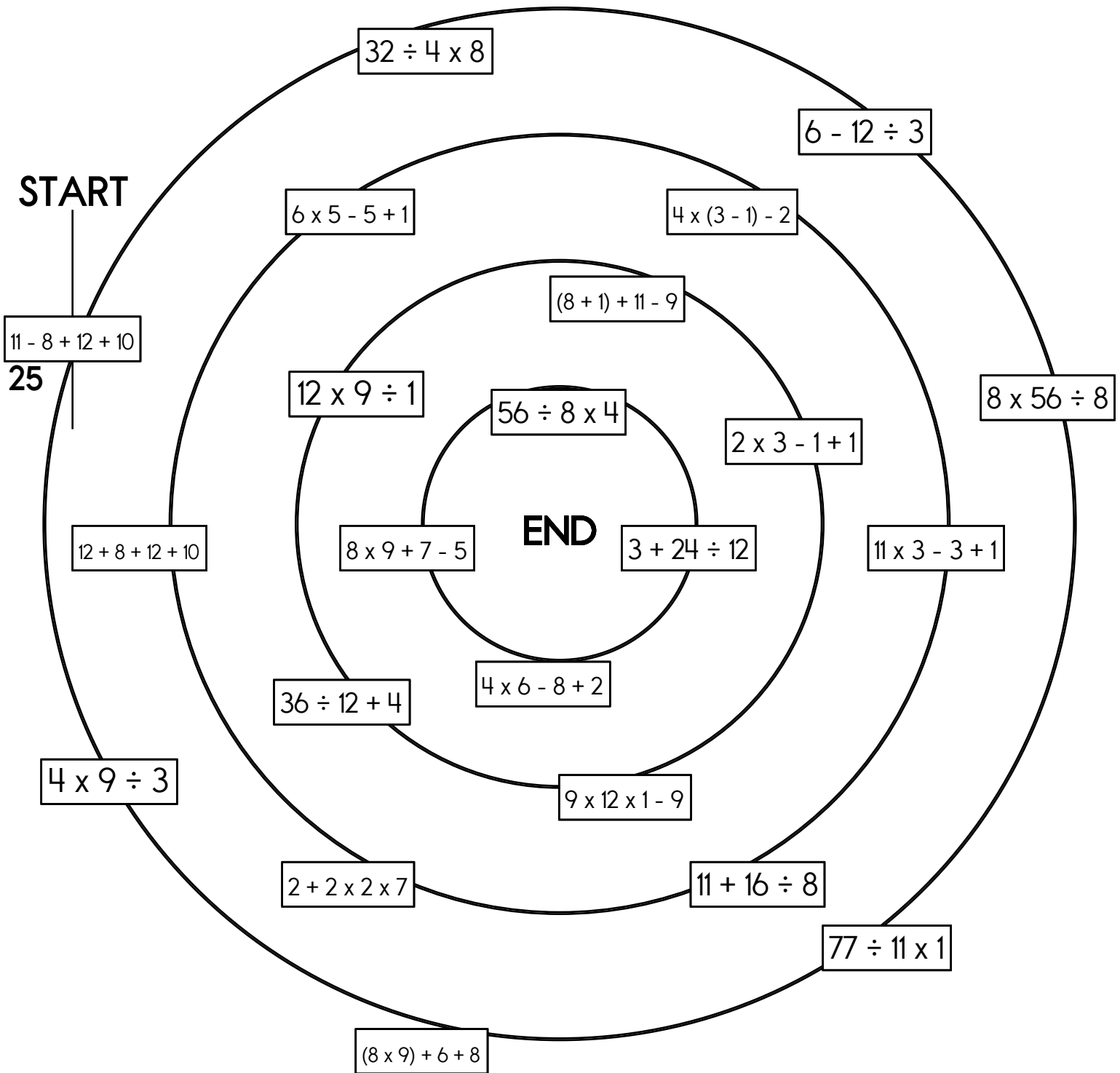
Draw a line from START to END.

$$\begin{array}{r} \cancel{25} \\ 11 \end{array}$$

26

18

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



Name: \_\_\_\_\_

I S P L I T S S P L A S H E S P A  
 N N E E L P S P L E N D I D S N S  
 R E T T A L P S L P E C I L P S I  
 S P L A T T E R L I P N I E L I P  
 T I L P S P S P L I N T E R I N G  
 I G N I C I L P S L E T F L C P C  
 G T S P L A S H I N G I E P E L L  
 P S P L E E N H S A L P S R L P L  
 D E R E T N I L P S I E E P E S I  
 L H S A L P S S S P L A S H E D E

"SPL" Words

SPL \_\_\_\_\_ SPL \_\_\_\_\_  
 SPL \_\_\_\_\_ SPL \_\_\_\_\_  
 SPL \_\_\_\_\_ SPL \_\_\_\_\_  
 SPL \_\_\_\_\_ SPL \_\_\_\_\_  
 SPL \_\_\_\_\_ SPL \_\_\_\_\_

I found \_\_\_\_\_ "SPL" words.

Circle the greatest number:

1,857,390,642      950,267,841  
 2,083,954          895,402,173,661

A jar has pennies, nickels, dimes, and quarters. Alex took fifteen coins from the jar. He didn't take any pennies or nickels. He has 255 cents. What coins did he take?

$55 \div 11 =$  \_\_\_\_\_

$8,841 + 1,127 =$  \_\_\_\_\_

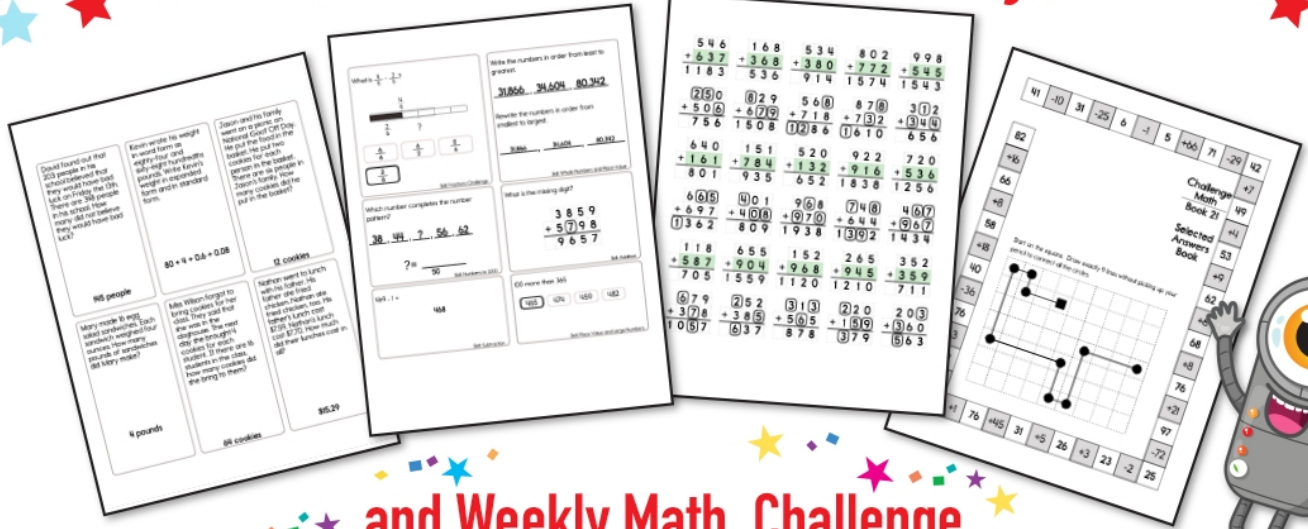
$3 \times 9 =$  \_\_\_\_\_

Can 807 be evenly divided by 6? Circle:  
 807 is evenly divisible by 6  
 807 is NOT evenly divisible by 6

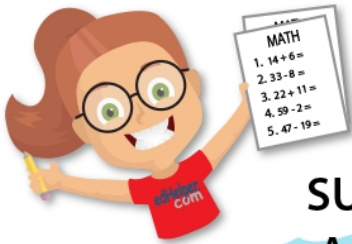
Write 8,545,540 in words.  
 \_\_\_\_\_

$9 \times 6 =$  \_\_\_\_\_

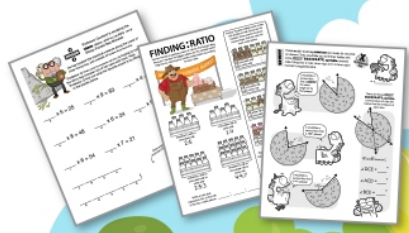
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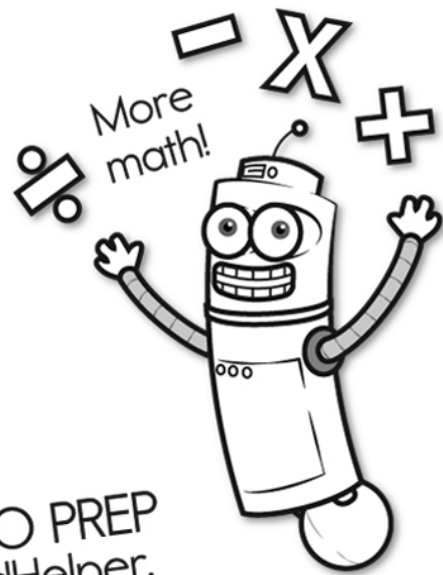
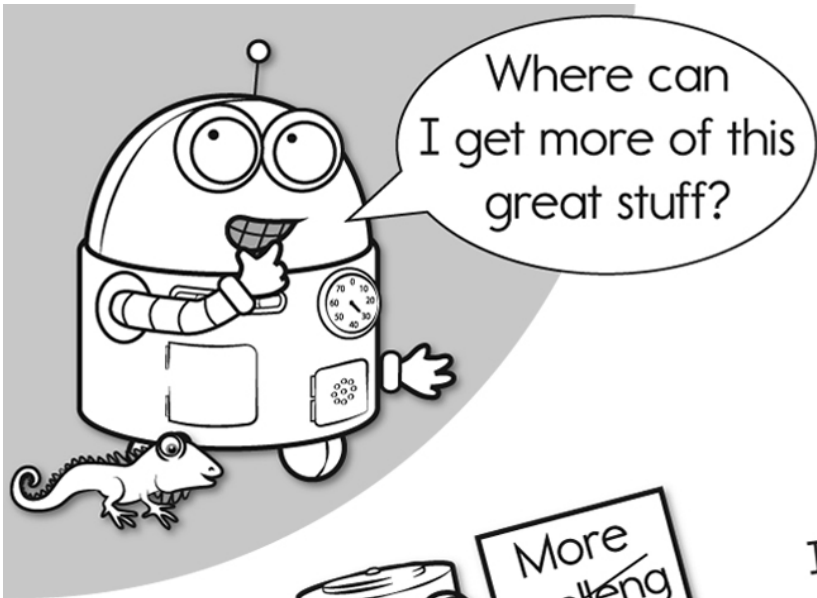
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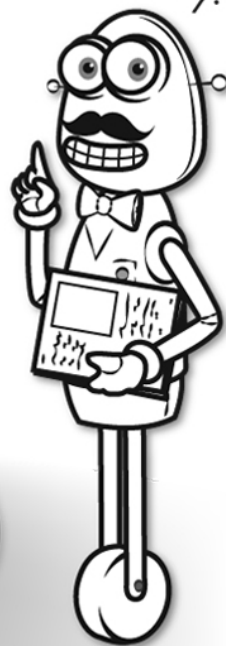
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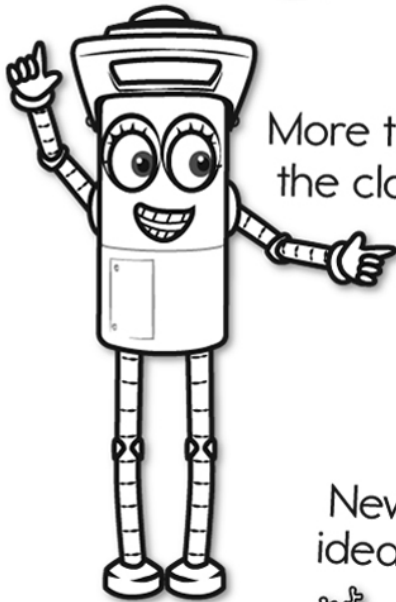


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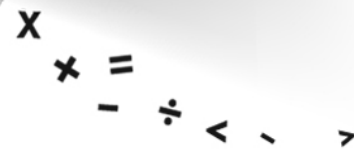
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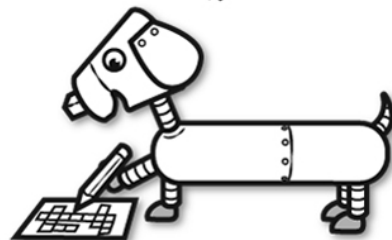
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More puzzles!



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