

Name:

6th Grade Math Homework

February 22 - 26

Please use your math notebook and/or our math website for help/videos to help with concepts on this homework.

6th Grade Math website: sms6math.weebly.com

SHOW ALL WORK IN THE WORK COLUMN!

Monday	Monday's Work	Tuesday	Tuesday's Work										
<p>There are 18 cupcakes. How many $\frac{3}{4}$ size servings can you make?</p>		<p>The ratio of boys to girls is 1:4. Circle all of the equivalent ratios.</p> <p>2:8 3:4 5:20 10:400</p>											
<p>Find the difference.</p> <p>$83,456 - 728.88$</p>		<p>Amana saved \$5472 in one year. If she saved the same amount each month, how much did she save each month?</p>											
<p>Write the ratio in simplest form.</p> <p>$8:2$</p>		<p>The ratio of pencils to erasers is 4:1. If there are 20 pencils, how many erasers are there?</p>											
<p>Aria drank 500 milliliters of water after her run. Her best friend Andrea drank 0.75 of a liter of water. Who drank more?</p>		<p>What is 38% of 250?</p>											
<p>How many terms are in the expression $5x + 2y - 15$?</p>		<p>Evaluate the expression.</p> <p>$\frac{1}{3} + 4(36 \div 6)$</p>											
<p>List 3 values that would make this inequality true.</p> <p>$28 + x > 42$</p> <p>_____, _____, _____</p>		<p>Write an equivalent expression for</p> <p>$8 + 7y + 2x + 4y + 4$</p>											
<p>Carla the baker worked for 5 hours to make cookies. She ended with 380 cookies altogether. Write an equation to express how many cookies Carla made each hour.</p>		<p>In order to pass this year's math class, Miriam needs to earn at least an 82%. Write an inequality that shows the scores Miriam could get to pass her math class.</p>											
<p>Every hour of driving uses up 3 gallons of gas. Use a table to find how many gallons of gas would be used if driving for 15 hours.</p>		<p>Find the rule. Solve for n.</p> <table border="1"> <tr> <td>X</td> <td>Y</td> </tr> <tr> <td>4</td> <td>3</td> </tr> <tr> <td>6</td> <td>5</td> </tr> <tr> <td>7</td> <td>6</td> </tr> <tr> <td>10</td> <td>n</td> </tr> </table> <p>Rule:</p>	X	Y	4	3	6	5	7	6	10	n	
X	Y												
4	3												
6	5												
7	6												
10	n												

Wednesday	Wednesday's Work	Thursday	Thursday's Work										
Find the quotient. $5\frac{3}{4} \div \frac{2}{5} =$		The recipe uses a ratio of 4 cups of sugar to 3 cups flour. How much flour is used per cup of sugar?											
Find the sum. $178,399.2 + 45.38$		Solve. $\left(\frac{3}{4}\right)^2$											
Kerion has a beaded necklace business. She can make 12 necklaces in 2 hours. How long will it take her to make 10 necklaces?		A bag of 8 apples costs \$2.88. What is the cost of one apple?											
Write an algebraic expression to represent "9 increased by x."		Out of the 160 boys and girls playing in the soccer tournament, 32 of them are wearing orange. What percent of the players are wearing orange?											
Naomi has 45 minutes to get ready for school. She spends x minutes getting dressed. Write an expression that represents the number of minutes she still has to get ready.		What is the value of $3x^2 + 5x + 25$, when $x = 3$											
Which number is a solution for the inequality $15x > 60$? 0 1 2 3 4 5		Are the two expressions equivalent when $x = 20$? $8(12 + 4)$ $96 + 32$											
Solve for y $y - 13 = 8$		Draw a number line to represent the inequality. $8 \geq x$ 											
Martha has 3 cards, but she wants to make more. If she makes 5 cards an hour, how many cards will she have after 6 hours?		Find the rule. Solve for n. <table border="1" data-bbox="836 1507 1169 1669"> <tbody> <tr> <td>X</td> <td>Y</td> </tr> <tr> <td>5</td> <td>10</td> </tr> <tr> <td>6</td> <td>12</td> </tr> <tr> <td>7</td> <td>14</td> </tr> <tr> <td>n</td> <td>20</td> </tr> </tbody> </table> Rule:	X	Y	5	10	6	12	7	14	n	20	
X	Y												
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*****Do not forget to complete your extended response on the following page.*****

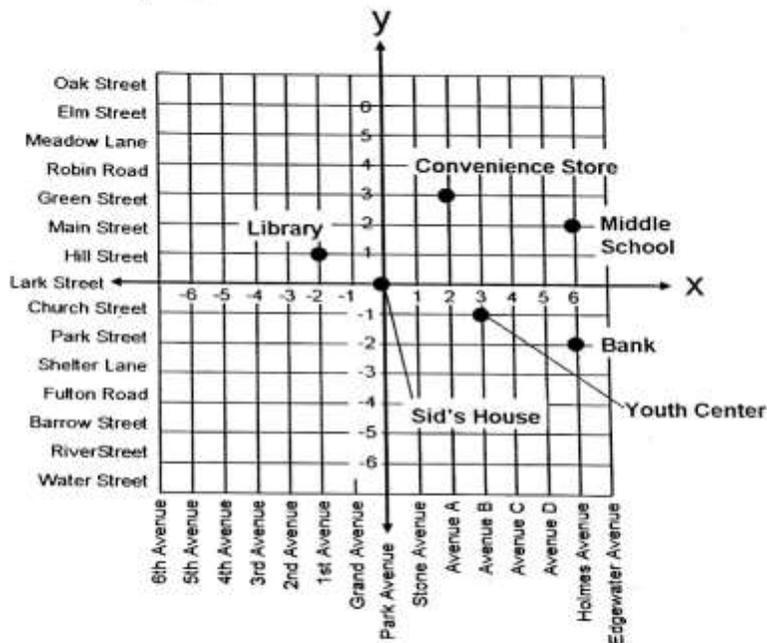
The following extended response is part of your weekly homework. Please answer the questions completely on the grid provided.

Things to remember:

- Did I label each part of the question?
- Did I restate the question?
- Did I include units if needed?
- Did I show all of my work?
- If the question asked me to explain, did I FULLY explain my answer?
- Did I use the RASE method to complete this Extended Response?
 - o Restate the question. (Use a complete sentence.)
 - o Answer all parts of the question.
 - o Show All Work.
 - o Explain. (if asked to do so)

This week’s extended response question. (You can use your math notebook if needed.)

Sid made a map of his neighborhood to help plan his route while completing errands. Going from home, Sid needs to visit the bank to deposit his allowance, go to the library to return his book, and end up at the middle school for football practice.



- A. Find the coordinate for each place Sid needs to visit.
- B. Plan the shortest route for Sid to travel so he can complete all of his errands. Explain how you found your answer.
- C. How many blocks will Sid travel if he follows the route from part B?

Mathematics

Do not write outside this box.

