

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

**Homework – Monday (December 5, 2016)**

Solve the following problems **without a calculator**. You **MUST** show your work. **NO WORK = NO CREDIT.**

<p>1. Write an expression that is equivalent to:</p> <p><math>-5(-4 + 2k)</math></p>	<p>2. Solve.</p> <p><math>7a + 4 - 13a = 46</math></p>
<p>3. Online concert tickets cost \$15 each, plus a service charge of \$3.50 per ticket. You paid \$240.50. How many tickets did you buy?</p>	<p>4. Solve and graph on a number line.</p> <p><math>3.8 + \frac{d}{5} &lt; 2.6</math></p>

**Homework- Tuesday (December 6, 2016)**

Solve the following problems **without a calculator**. You **MUST** show your work. **NO WORK = NO CREDIT.**

<p>1. Write an inequality for the following word phrase: You must have an average of at least 65 to pass math class.</p>	<p>2. Solve and graph on a number line.</p> <p><math>z + 17 \leq -13</math></p>
<p>3. A recipe for homemade ice cream calls for 6 cups of cream, 1 cup of sugar, and 2 cups of fruit. Write the ratio of cups of fruit to cups of cream.</p>	<p>4. Solve.</p> <p><math>\frac{8b - 5}{3} = 9</math></p>

### **Homework - Wednesday (December 7, 2016)**

Solve the following problems **without a calculator**. You ***MUST*** show your work. ***NO WORK = NO CREDIT.***

<p>1. Solve and graph on a number line.</p> $\frac{2}{3} + t < \frac{5}{6}$	<p>2. Jennifer paid \$10.70 for 10 gallons of gasoline. Alex paid \$15.60 for 12 gallons of gasoline. Who paid the higher price per gallon? Explain.</p>
<p>3. Write an inequality for the following word phrase: The large tree in the park is more than 200 years old.</p>	<p>4. The formula for converting temperatures in degrees Celsius (C) to temperatures in Fahrenheit (F) is:</p> $F = \frac{9}{5}C + 32$ <p>The temperature is 82° F. What is the temperature in degrees Celsius?</p>

### **Homework - Thursday (December 8, 2016)**

Solve the following problems **without a calculator**. You ***MUST*** show your work. ***NO WORK = NO CREDIT.***

<p>1. A soccer league has 25 sixth-graders, 30 seventh-graders, and 15 eighth-graders. Write the ratio of seventh-graders to total students.</p>	<p>2. Write 2 equivalent ratios.</p> <table border="1" data-bbox="868 1350 1096 1482"><tr><td>7</td><td></td><td></td></tr><tr><td>2</td><td></td><td></td></tr></table>	7			2		
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<p>3. Leslie bought 2 pairs of jeans at \$20 each and 4 shirts. She spent a total of \$85 before tax. What is the cost of 1 shirt?</p>	<p>4. Samiah rode her bike 104 miles at a constant speed for 8 hours. How long did it take her to ride 26 miles?</p>						