



## Weekly Top 10 (#16)

**Directions:** Read each question carefully. Then work the problem out in the box marked answer. Finally, write your answer in a number sentence. Only a number sentence will be accepted as a correct answer.

Question	Show Your Work	Answer						
1.) Judah bough books online. Each book cost \$11, with a flat shipping rate of \$4. Write an expression where b represents the number of books bought. How much money did Judah spend if he bought 6 book?								
2.) Simplify the expression: $x^2+3y-5x+6x^2+8+2y+9x-4x+2+7y^2$ Explain in words how your completed the problem.								
3.) Read the equation. Then write a word problem to represent the equation. You DON'T have to solve the problem.  $9(s-16)=180$ <i>s represents the number of street signs</i>								
4.) Identify the different parts of the expression below.  $8(3x^2 - y + 2)$	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Term(s):</td> <td style="width: 33%;">Factor(s):</td> <td style="width: 33%;">Constant(s):</td> </tr> <tr> <td style="width: 33%;">Coefficient(s):</td> <td style="width: 33%;">Variable(s):</td> <td style="width: 33%;"></td> </tr> </table>	Term(s):	Factor(s):	Constant(s):	Coefficient(s):	Variable(s):		
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5.) Write a word problem for the inequality below.								

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

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<p>6.) Graph the inequality.</p> $32 \leq 4 + 7x$		
<p>7.) Mr. Leech bought a used car for \$5,500. That is almost <math>\frac{1}{4}</math> of the original cost of the car. What was the original cost of the car?</p>	<p>Inequality equation: _____</p> <p>Solution: _____</p> <div style="text-align: center;">  </div>	
<p>8.) Caitlyn is making a necklace that has 3 blue bead for every 12 white beads. How many white beads will she use if she uses 9 blue beads?</p>		
<p>9.) of the 24 students in Cooper's class, <math>\frac{3}{8}</math> ride the bus to school. How many students ride the bus?</p>		
<p>10) Lauren had <math>\frac{3}{4}</math> hour of free time before dinner. She spent <math>\frac{2}{3}</math> of the time playing guitar. How long did she play the guitar?</p>		