

<p>Learning Target: I can solve systems of equations and interpret viable solutions.</p>	<p>Learning Target: I can solve systems of equations and interpret viable solutions.</p>	<p>Learning Target: I can solve systems of equations and interpret viable solutions.</p>
<p>Bell Work: Eliminate</p> $\begin{aligned} 2(-3x + 4y) &= 20 \\ 6x + 3y &= 15 \\ \hline -6x + 8y &= 40 \\ 6x + 3y &= 15 \\ \hline 5y &= 25 \\ y &= 5 \end{aligned}$ <p>If (x, y) is the solution to the system of equations above, what is the value of x?</p> <p>$3x + 4y = -23$ $2y - x = -19$</p> <p>What is the solution (x, y) to the system of equations above?</p> <p>A) $(-5, -2)$ B) $(3, -8)$ C) $(4, -6)$ D) $(9, -6)$</p>	<p>Bell Work: $y = mx + b$</p> <p>In the system of equations above, k is a constant and x and y are variables. For what value of k will the system of equations have no solution?</p> <p>A) $\frac{12}{5}$ B) $\frac{16}{7}$ C) $-\frac{16}{7}$ D) $-\frac{12}{5}$</p> <p>$kx - 3y = 4$ $4x - 5y = 7$</p> <p>$34 = -kx + \frac{4}{3}$ $-kx = -\frac{4}{3} - \frac{34}{3} = -\frac{38}{3}$ $x = \frac{38}{3k}$</p> <p>$y = \frac{4}{3}x - \frac{7}{5}$ $\frac{4}{3}x - \frac{7}{5} = \frac{38}{3k}$ $\frac{4}{3}x = \frac{38}{3k} + \frac{7}{5}$ $x = \frac{19}{2k} + \frac{21}{5}$</p> <p>The sum of three numbers is 855. One of the numbers, x, is 50% more than the sum of the other two numbers. What is the value of x?</p> <p>A) $570 \div 1.5 = 380 = 950$ B) $513 \div 1.5 = 342 = 855$ C) 214 D) 155</p>	<p>Bell Work:</p> $\begin{aligned} 3x + b &= 5x - 7 \\ 3y + c &= 5y - 7 \end{aligned}$ <p>In the equations above, b and c are constants.</p> <p>If b is c minus $\frac{1}{2}$, which of the following is true?</p> <p>A) x is y minus $\frac{1}{4}$. B) x is y minus $\frac{1}{2}$. C) x is y minus 1. D) x is y plus $\frac{1}{2}$.</p> <p>Mr. Kohl has a beaker containing n milliliters of solution to distribute to the students in his chemistry class. If he gives each student 3 milliliters of solution, he will have 5 milliliters left over. In order to give each student 4 milliliters of solution, he will need an additional 21 milliliters. How many students are in the class?</p> <p>A) 16 B) 21 C) 23 D) 26</p>