

Name: \_\_\_\_\_  
Chapter 6 Practice Quiz (Sections 6.8 – 6.11)  
Mr. McAusland -6<sup>th</sup> Math  
April 23, 2013

Find the solution to each equation. YOU MAY NOT USE A CALCULATOR

1)  $7 + x = 20$                        $x =$  \_\_\_\_\_

2)  $36 = y + 11$                        $y =$  \_\_\_\_\_

3)  $6 * z = 66$                        $z =$  \_\_\_\_\_

4)  $\frac{a}{5} = 35$                        $a =$  \_\_\_\_\_

5)  $b - 23 = 11$                        $b =$  \_\_\_\_\_

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6)  $c * 7 = 50 - 36$        $c = \underline{\hspace{2cm}}$

7)  $50 = 5(d - 4)$        $d = \underline{\hspace{2cm}}$

8)  $6 + (4e - 4) = 26$        $e = \underline{\hspace{2cm}}$

9)  $6 - f = 10 * 2$        $f = \underline{\hspace{2cm}}$

10)  $(g + 10) / 3 = 6$        $g = \underline{\hspace{2cm}}$

Solve each pan-balance problem. In each drawing, the two pans are in perfect balance.

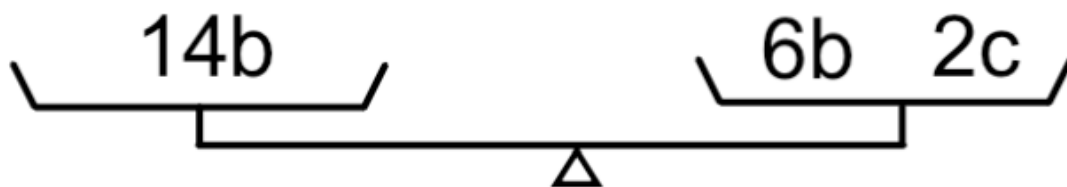
11) One box weighs as much as \_\_\_\_\_ coins



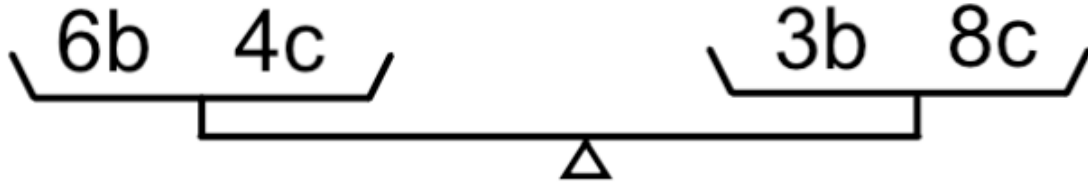
12) One box weighs as much as \_\_\_\_\_ coins



13) One b weighs as much as \_\_\_\_\_ c



14) One b weighs as much as \_\_\_\_\_ c



Solve for the variable x. Show what operations you are applying to isolate the variable.  
(YOU MUST SHOW WORK TO RECEIVE CREDIT)

15)  $5x + 18 = 2x + 48$        $x =$  \_\_\_\_\_

16)  $-3x + 22 = 5x + 6$        $x =$  \_\_\_\_\_