

Name: _____

Unit 6 Practice Test

Mr. McAusland -6th Math

April 26, 2013

Divide. Show your work. Write your answers in simplest form.

1) $\frac{6}{5} \div \frac{3}{5}$

2) $2\frac{2}{4} \div \frac{1}{2}$

3) $4 \div \frac{3}{4}$

4) $2\frac{4}{10} \div 1\frac{1}{4}$

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Solve

5) $82 + (-23)$

6) $8.2 - (-12.3)$

7) $-\frac{4}{5} - \frac{7}{5}$

8) $-12 - (-10)$

9) $14 * (-11)$

10) $(-4 * 8) * (-2)$

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11) $\frac{28}{-7}$

12) $-28 \div 4$

Tell whether each number sentence is true or false

13) $6 + 12 / 3 = 2 * (7) - 6$

14) $16 - 6 + 5 - (-2) > 10$

15) $6 > 6$

16) $-90 > -96$

17) $4^2 - 10 * 2$

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

18) $7 + x = 16$ $x =$ _____

19) $6 = y + 11$ $y =$ _____

20) $4 * z = 36$ $z =$ _____

21) $30 = 5(d - 4)$ $d =$ _____

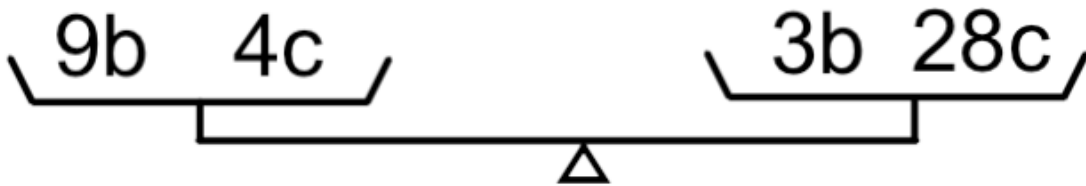
22) $(2e + 4) - 10 = 26$ $e = \underline{\hspace{2cm}}$

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

23) One box weighs as much as coins



24) 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)

25) $7x + 40 = 11x + 8$ $x =$ _____

Graph the solution

26) $-12 > y$



27) $w - 3 \geq 2$

