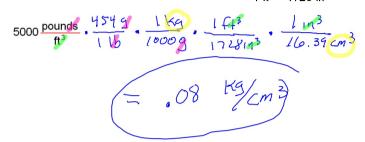
Monday, December 9, 2013 Algebra 1 Bellwork

1000 g = 1 kg1. Convert $5000 \frac{\text{pounds}}{\text{ft}^3}$ into $\frac{\text{kg}}{\text{cm}^3}$ $1 \text{ in}^3 = 16.39 \text{ cm}^3$ 1 pound = 454 grams 1 ft 3 = 1728 in 3



3. Andre can run 4 miles in 24.8 minutes. At the same rate how many miles can he run in an hour?

$$\frac{4mi}{24.8min} = \frac{\lambda}{60min}$$

$$1 \times = 9.68mi$$

$$x = 9.68 \, \text{mi}$$

2. Solve this proportion.

$$\frac{m+5}{6} = \frac{m-14}{10}$$

$$|0(m+5)| = 6(m-14)$$

$$|0m+50| = (6m-84)$$

$$-6m$$

$$-6m$$

$$+m+50 = -84$$

$$-50$$

$$-34$$

$$+m=-34$$

4. The east wing of the animal shelter houses cats and dogs. The ratio of cats to dogs in the east wing is 7:5. If there are 240 animals in the east wing find how many of those that are dogs.

$$\frac{5doys}{12toT} = \frac{x doys}{240 Tot}$$

$$X = 100 doys$$

$$X = 100 \text{ doys}$$