PROPORTIONS

PRAXIS FLASHCARD #56

PROPORTIONS (DEFINITION)

A **proportion** is when two ratios are equivalent:

$$\frac{3}{2}=\frac{9}{6}$$

When two ratios are equivalent, the cross products are equal :

3 x 6 = 18

2 x 9 = 18

PRAXIS FLASHCARD #321

PROPORTIONS (HOW TO SOLVE)

When two ratios are equivalent, the cross products are equal. Thus, to solve a proportion, cross multiply the two numbers that are diagonal from each other, and then divide by the number diagonal from the unknown.

$$\frac{3}{2}=\frac{9}{x} \rightarrow 2\times 9\div 3=6$$

PRAXIS FLASHCARD #131

UNIT ANALYSIS

Unit Analysis is the process of multiplying by successive conversion units (written in fraction form). Unit analysis video:
JoleneMorris.com, Math 115, Wk 2;
Video explaining unit analysis for English units and Video explaining unit analysis for Metric units
(both videos are at JoleneMorris.com, Math 115, Week 6)
