Dimensional Analysis

(Old) Multiplying Fractions

∙ Cross reducing - means finding a common factor between the numerator and the denominator and crossing them out to simplify using the identative property.

∙ Cross multiply

∙ = = = or ∙ = ∙ =

Distributive property - GCF or CF goes outside xz –xy = x(z – y)

Additive Inverse – The quantity you add to cancel out to get a sum of zero.

(New)

Dimensional Analysis - The process of converting one unit to another unit. This process involves using “known” rates and treating these rates as ratios (Ex: 60 minutes = 1 hour)

3 hours to seconds

∙ ∙ = = 10,800 seconds

6 mph to feet per minute

∙ ∙ = ∙ ∙ = = 528 feet per minute