

## Dimensional Analysis

- AKA factor-label, unit analysis, etc.
- A problem-solving technique
- Uses units to direct/inform you of how to proceed





• How to get there from here?





Ex #3: How many gallons in 496 mL?
496 mL x $\frac{1 L}{1000 mL}$ x $\frac{1 gallon}{3.7854 L} = 0.131$ gallons
3 ∞ 5 3
Put in your calculator: 496 / 1000 / 3.7854 =







