CONCEPT: CONVERSION FACTORS (SIMPLIFIED)

- Conversion Factor: a ratio or fraction that ties together _____ different units.
 - ☐ For example, a day is composed of 24 hours:

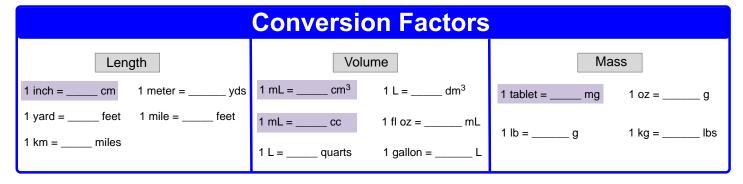
____ or ____

- Given Amount: a value containing only ____ unit.
 - □ For example, we spent **3 hours** studying chemistry today.

EXAMPLE: Clutch's "Ugly but Good" chocolate chip cookie recipe is always a hit at our office parties. My budget is \$80. The recipe makes 18 servings for the party. Each serving requires 8 chocolate truffle chips at a cost of \$0.50 per 5 chocolate truffle chips. From the information provided, determine the given amount and all conversion factors.

Common Conversion Factors

• The most common conversion factors deal with units involved with length, volume or mass.



EXAMPLE: While packing for a trip to Spain a traveler wishes to weigh their luggage to make sure it doesn't exceed 23 kilograms. Unfortunately their bathroom scale for some reason can only weigh in ounces. What conversion factors could they use to determine the mass of their luggage?

