Need to Know: 1 cm^3 = 1 mL

METRIC

Length (Base unit = m)

1000 m = 1 km
BASE UNIT
1 m = 10 dm
1 m = 100 cm
1 m = 1000 mm
1 m = 10^6 □m
1 m = 10^9 nm

BRIDGE

1 in = 2.54 cm

ENGLISH

Length

12 in = 1 foot
3 ft = 1 yard
1760 yards = 1 mile

Volume (Base unit = L)

1000 L = 1 kL
BASE UNIT
1 L = 10 dL
1 L = 100 cL
1 L = 1000 mL
1 L = 10^6 □L
1 L = 10^9 nL

BRIDGE
1 quart =
946.353 mL

Volume

1 cup = 8 oz
2 cups = 1 pint
2 pints = 1 quart
4 quarts = 1 gallon

Mass (Base unit= g)

1000 g = 1 kg
BASE UNIT
1 g = 10 dg
1 g = 100 cg
1 g = 1000 mg
1 g = 10^6 □g
1 g = 10^9 ng

BRIDGE
1 lb =
453.592 g

Mass

Pounds (lb) = 16 oz

Example: How many decimeters are in 1.3 miles?

1. Start with given (1.3 miles)
2. Follow your units to get to the bridge (1 in = 2.54 cm), then the answer
   So I need to get from miles to inches to use the bridge. Then from cm to mm in metric system.

1.3 miles x $\frac{1760\ yards}{1 mile}$ x $\frac{3\ ft}{1\ yard}$ x $\frac{12\ inches}{1 ft}$ x $\frac{2.54\ cm}{1\ in}$ x $\frac{1\ m}{100 cm}$ x $\frac{10 dm}{1 m}$ = 21000 dm