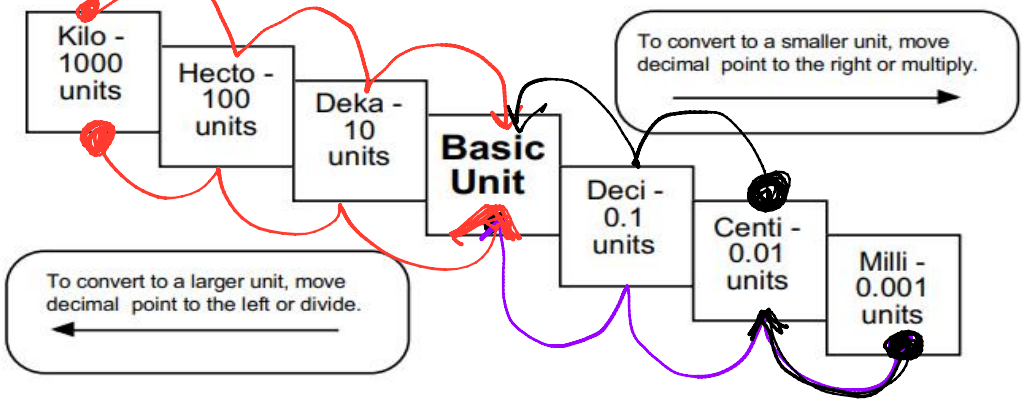
Metric Mania
Conversion Practice



Try these conversions, using the ladder method.

1) 2000 mg = 2 g (3 left)

2) 104 km = 104,000 m (3 right)

3) 480 cm = 4.8 m (2 left)

4) 5.6 kg = 5,600 g (3 right)

5) 8 mm = 0.8 cm (1 left)

6) 5 L = 5000 mL (3 right)

7) 198 g = 0.198 kg (3 left)

8) 75 mL = 0.075 L (3 left)

9) 50 cm = 0.5 m (2 left)

10) 5.6 m = 560 cm (2 right)

11) 16 cm = 160 mm (1 right)

12) 2500 m = 2.5 km (3 left)

13) 65 g = 65,000 mg (3 right)

14) 6.3 cm = 63 mm (1 right)

15) 120 mg = 0.120 g (3 left)

Mass Units	Liquid Volume Units	Length Units
1 ton = 2000 pounds	1 gallon = 4 quarts	1 mile = 5280 feet
1 pound = 16 ounces	1 quart = 2 Pint	1 yard = 3 feet
	1 Pint = 2 cups	1 foot = 12 inches
	1 cup = 8 ounces	

*lead with WORD

Convert **156 inches** to **feet** (Remember to simplify your final answer)

$156\ inches \times \left(\frac{1\ foot}{12\ inches}\right) = 13\ feet$ My Answer:

Convert **4 cups** to **ounces**:

$4\ cups \times \left(\frac{8\ ounces}{1\ cup}\right) = 32\ ounces$ My Answer:

Convert **32 cups** to **gallons**:

$32\ cups \times \left(\frac{1\ pint}{2\ cups}\right) \times \left(\frac{1\ quart}{2\ pints}\right) \times \left(\frac{1\ gallon}{4\ quarts}\right) = 2\ gallons$ My Answer:

Convert **3 miles** to **yards**:

$3\ miles \times \left(\frac{5280\ feet}{1\ mile}\right) \times \left(\frac{1\ yard}{3\ ft}\right) =$ ___ yards My Answer: 5280 yds

Let's convert these. **Note:** 1 kg = 2.2 lbs. 1 in = 2.54 cm 3 ft = 1 yd

16) 17 days into minutes

$\frac{17\ days}{1} \cdot \frac{24\ hr}{1\ day} \cdot \frac{60\ min}{1\ hr}$ = 24480 min

17) 10 inches into centimeters

$\frac{10\ in}{1} \cdot \frac{2.54\ cm}{1\ in}$ = 25.4 cm

18) 165 pounds into kilograms

$\frac{165\ lbs}{1} \cdot \frac{1\ kg}{2.2\ lbs}$ = 75 kg

19) 22,647 inches into miles

$\frac{22647\ in}{1} \cdot \frac{1\ ft}{12\ in} \cdot \frac{1\ mile}{5280\ ft}$ = 0.36 mile

20) 45 yards into feet

$\frac{45\ yds}{1} \cdot \frac{3\ ft}{1\ yd} =$ 135 ft

21) You find 13,905,613 pennies. How many dollars do you have?

$\frac{13,905,613\ pennies}{1} \cdot \frac{1\ Dollars}{100\ Pennies} =$ $139,056.13