

Conversions between Systems of Measure

When converting from Customary to Metric, use these approximations.

- 1 inch = 2.54 centimeters
- 1 foot = 0.305 meter
- 1 mile = 1.61 kilometers

- 1 cup = 0.24 liter
- 1 gallon = 3.785 liters
- 1 ounce = 28.35 grams
- 1 pound = 0.454 kilogram

When converting from Metric to Customary, use these approximations.

- 1 centimeter = 0.39 inch
- 1 meter = 3.28 feet
- 1 kilometer = 0.62 mile

- 1 liter = 4.23 cups
- 1 liter = 0.264 gallon
- 1 gram = 0.0352 ounce
- 1 kilogram = 2.204 pounds

1. Please convert these measures

Customary	Metric
8 pounds	kg
feet	10 meters
14"	cm
6 gal.	liters
3 miles	km
cups	12 liters

Customary	Metric
5 oz	grams
15 MPH	km/hour
32 MPG	km/liter
68'	meters
lbs.	6 kg
oz	16 grams

2. Which is greater. Place either a "<", or a ">", or a "=" between the measures.

metric	US
10 grams	.5 oz.
20 cm	1"
5 liters	20 cups
5 liters	1 gallon
12 km/hr	10 MPH

3. Plane A is flying at an elevation of 21,000 feet. Plane B is flying at an elevation of 6200 meters. Which plan is higher?



4. Can you pour all the water from a 4 liter bottle into a 1 gallon bottle?

5. You running at a speed of 2 meters per second. At that speed, how many feet would you run in a minute?

6. You weigh 86 lbs. How many kg. do you weigh?

