

## Converting Metric Measures

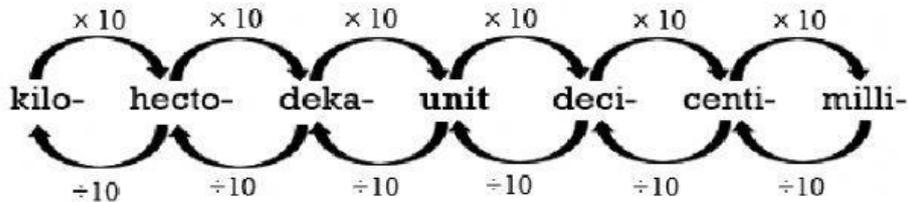
\*When changing from a **smaller unit** to a **larger unit**, you **divide**.

\*When changing from a **larger unit** to a **smaller unit**, you **multiply**.

Metric Units of Length: meter (m)

Metric Units of Mass: gram (g)

Metric Units of Capacity: liter (L)



Use the conversion chart above to convert each unit to the specified unit.

1) 3.28 km = \_\_\_\_\_ m

6) 3cm = \_\_\_\_\_ mm

2) 4912g = \_\_\_\_\_ kg

7) 340cm = \_\_\_\_\_ m

3) \_\_\_\_\_ L = 3000mL

8) \_\_\_\_\_ g = 3.4kg

4) 8.91 L = \_\_\_\_\_ mL

9) \_\_\_\_\_ mm = 13cm

5) 5.6m = \_\_\_\_\_ cm

10) \_\_\_\_\_ m = 0.43km

Please put a check next to the value that is the greatest.

<input type="checkbox"/> 1 kg	3 km	7090 g	3 L
<input checked="" type="checkbox"/> 1300 g	500 m	7200 g	2300 mL
<input type="checkbox"/> 950 g	3040 m	7 kg	1950 mL

Use greater than (>), less than (<) or equals (=) to compare the amounts.

1)	1 L	>	590 mL	2)	50 mm		6 cm
3)	3000 g		2 kg	4)	800 cm		8 m
5)	960 mL		1 L	6)	4200 g		5 kg
7)	65 mm		6 cm	8)	7 L		860 mL
9)	2 km		320 cm	10)	$\frac{1}{2}$ km		460 m
11)	6000 g		6 kg	12)	7 cm		700 mm

Complete the following problems. Go back up and use the conversion chart if you need to.

<p>1) The length of the bar for a high jump competition must always be 4.75 m. Express this measurement in millimeters.</p>	<p>2) A piece of fabric measures 3.9 meters. Express this length in centimeters.</p>
<p>3) The coach brought 32 L of gatorade to the game. She divided it between 8 coolers. How many milliliters of gatorade were in each cooler?</p>	<p>4) A bee flew 645cm to a rose. It then flew 320cm to a daisy. How many meters did it fly in total?</p>
<p>5) Ms. Ramirez is usually home at 5:15 from work. Her dinner is usually ready by 5:42. How many seconds after she gets home is her dinner ready?</p>	<p>6) Aly has 5.6kg of watermelon. She is going to split it between 7 bowls? How many grams of watermelon will be in each bowl?</p>