

Converting Metric Measures

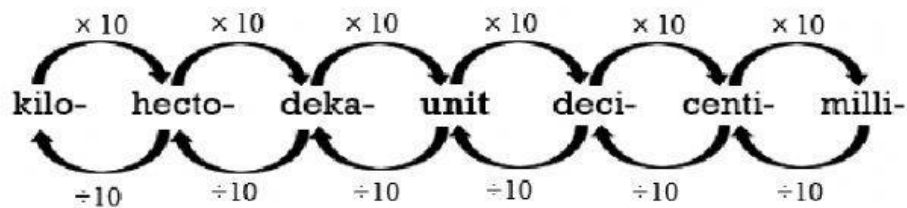
*When changing from a **smaller unit** to a **larger unit**, you **divide**.

*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) $3.28 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

6) $3 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

2) $4912 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

7) $340 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

3) $\underline{\hspace{2cm}} \text{ L} = 3000 \text{ mL}$

8) $\underline{\hspace{2cm}} \text{ g} = 3.4 \text{ kg}$

4) $8.91 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

9) $\underline{\hspace{2cm}} \text{ mm} = 13 \text{ cm}$

5) $5.6 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

10) $\underline{\hspace{2cm}} \text{ m} = 0.43 \text{ km}$

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

☐ 1 kg	3 km	7090 g	3 L
☒ 1300 g	500 m	7200 g	2300 mL
☐ 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.

1) The length of the bar for a high jump competition must always be 4.75 m. Express this measurement in millimeters.	2) A piece of fabric measures 3.9 meters. Express this length in centimeters.
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?	4) A bee flew 645cm to a rose. It then flew 320cm to a daisy. How many meters did it fly in total?
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?	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?