

## Metric Conversions Template

*Directions:* Take measurements (in centimeters) of each of the following objects. Record the measurements in the centimeters column. Then complete the conversions in each of the other columns. Example: If we want to convert an 8-centimeter measurement to meters, we can see from the conversion key below that we need to move the decimal point two positions to the left. So 8.0 centimeters = 0.08 meters.

Object	Kilometers	Hectometers	Dekameters	Meters	Decimeters	Centimeters	Millimeters
Height of your desk							
Length of your arm							
Circumference of your head							
Length of your pencil							
Width of the door							
Width of your seat							
Height of your seat							
Length of your hair							
Other:							

### *Conversion Key*

**1 kilometer = 10 hectometers = 100 dekameters = 1,000 meters = 10,000 decimeters = 100,000 centimeters = 1,000,000 millimeters**

Move the decimal point one position to the right as you read across from right to left. If starting with a unit of measurement that's somewhere in the middle, keep moving the decimal point one position to the right or left until you reach your desired unit of measurement.