

# Metric Units of Length

Metric Units of Length	Changing Metric Units of Length	
10 millimeters (mm) = 1 centimeter (cm)	Multiply to change from a larger to a smaller unit.	Divide to change from a smaller to a larger unit.
10 centimeters = 1 decimeter (dm)	4 km = <input type="text"/> m	500 mm = <input type="text"/> cm
10 decimeters = 1 meter (m)	$4 \times 1,000 = 4,000$	$500 \div 10 = 50$
1,000 meters = 1 kilometer (km)	4 km = 4,000 m	500 mm = 50 cm

Use a ruler. Measure each line segment to the nearest decimeter, centimeter, and millimeter.

1.   
\_\_\_\_\_
2.   
\_\_\_\_\_
3.   
\_\_\_\_\_
4.   
\_\_\_\_\_

Complete.

5. 55 m = \_\_\_\_ dm      6. \_\_\_\_ cm = 20 mm      7. 9 m = \_\_\_\_ cm

Compare. Write  $>$ ,  $<$ , or  $=$  for each  $\bigcirc$ .

8. 50 cm  $\bigcirc$  5 dm      9. 8 km  $\bigcirc$  9,000 m      10. 200 dm  $\bigcirc$  2 m

## Problem Solving

Show Your Work

11. Name a distance you would measure in kilometers and a distance you would measure in meters.