Metric Units of Length

Use a metric ruler to measure this line segment to the nearest decimeter, centimeter, and millimeter.

Metric Units of Length
10 millimeters (mm) = 1 centimeter (cm)
10 centimeters = 1 decimeter (dm)
10 decimeters = 1 meter (m)
1,000 meters = 1 kilometer (km)

Find 7 km = □ m

Step 1: Use the table to find the relationship between kilometers and meters.
1 km = 1,000 m

Step 2: Decide if you should multiply or divide.
A kilometer is larger than a meter.
To change a larger unit to a smaller unit, multiply.

Step 3: Multiply.
7 × 1,000 = 7,000
7 km = 7,000 m

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

1. .........................................................

2. .........................................................

3. .........................................................

Complete.

4. 7 dm = _____ cm
5. _____ dm = 6 m
6. 350 mm = _____ cm

Think: Is the length of the line segment closer to 0 dm or 1 dm?
1 dm

Think: Is the length of the line segment closer to 6 cm or 7 cm?
6 cm

To the nearest millimeter, the line segment measures 63 mm.