

# Metric Measurement #5



Answer the following questions using the conversion chart given.

1 centimeter (cm) = 10 millimeters (mm)

1 meter (m) = 100 centimeters (cm)

1 kilometer (km) = 1,000 meters (m)

## ANSWERS

1. Johnny is going trick-or-treating. He walks 20 meters to the first house. How many centimeters did he walk?

Since  $1\text{m} = 100\text{cm}$ , multiply both sides by 20:

$$20 \times 1\text{m} = 20 \times 100\text{cm}$$

$$20\text{m} = 2,000\text{cm}$$

2. He walks 100 meters to the next house. How many centimeters did he walk? How many millimeters did he walk?

Since  $1\text{m} = 100\text{cm}$ , multiply both sides by 100:

$$100 \times 1\text{m} = 100 \times 100\text{cm}$$

$$100\text{m} = 10,000\text{cm}$$

Since  $1\text{cm} = 10\text{mm}$ , multiply both sides by 10,000:

$$10,000 \times 1\text{cm} = 10,000 \times 10\text{mm}$$

$$10,000\text{cm} = 100,000\text{mm}$$

3. Johnny goes to the next house. He walks 4,500 centimeters. How many meters did he walk?

Since  $1\text{m} = 100\text{cm}$ , divide 100cm into 4,500cm:

$$4,500/100 = 45\text{m}$$

4. He can't make it to the next house because it's 2,000 meters away. How many kilometers is it?

Since  $1\text{km} = 1,000\text{m}$ , divide 1,000m into 2,000m

$$2,000/1,000 = 2\text{km}$$