

Mathematics

The Metric System

Solve the following problems.

Linear:

$$1\text{cm} = 10\text{mm}$$

$$1\text{m} = 1,000\text{mm}$$

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

$$1\text{km} = 1,000\text{m}$$

Mass:

$$1\text{cg} = 10\text{mg}$$

$$1\text{g} = 100\text{cg}$$

$$1\text{g} = 1,000\text{mg}$$

$$1\text{kg} = 1,000\text{g}$$

Capacity:

$$1\text{cl} = 10\text{ml}$$

$$1\text{l} = 1,000\text{ml}$$

1. If I wanted to measure the distance from Bimini to Long Island, which unit of **length** would I use?

2. To measure how much water is in a bathtub, which unit of **capacity** should I use?

3. Tammy's hair is 15 cm long. How many **mm** is this?

4. Bob walked 5 km from the farm to his house. How many **m** did he walk?

5. Sarah filled a bucket with 6,000 mL of water. How many **L** of water did she put into the bucket?
