

Length conversion tables (metric)

Grade 5 Measurement Worksheet

Complete the table by converting the units of length.

$$1 \text{ km} = 1,000 \text{ m} = 100,000 \text{ cm} = 1,000,000 \text{ mm}$$

km	0.5					
m		200		45		
cm			4,000			80,000
mm					7,000	

Answer the word problems.



- Rina painted a mural with a height of 1.5 m.
What is the height in millimeters?

- Steven needs a box with a width of 3,000 mm.
How long is this in centimeters?

- The height of Olivia's plant is 32 cm. What is the
height of the plant in meters?

- Jacob jogs 5 km every Sunday. How far does he
jog in two Sundays? Write your answer in
meters.

- Paul built a fence with a length of 6.2 m on one
side and 7.1 m on the other side. What is the
total length of the fence in centimeters?

Answers

$$1 \text{ km} = 1,000 \text{ m} = 100,000 \text{ cm} = 1,000,000 \text{ mm}$$

km	0.5	0.2	0.04	0.045	0.007	0.8
m	500	200	40	45	7	800
cm	50,000	20,000	4,000	4,500	700	80,000
mm	500,000	200,000	40,000	45,000	7,000	800,000

- Rina painted a mural with a height of 1.5 m.
What is the height in millimeters? **1,500 mm**
- Steven needs a box with a width of 3,000 mm.
How long is this in centimeters? **300 cm**
- The height of Olivia's plant is 32 cm. What is the height of the plant in meters? **0.32 m**
- Jacob jogs 5 km every Sunday. How far does he jog in two Sundays? Write your answer in meters. **10,000 m**
- Paul built a fence with a length of 6.2 m on one side and 7.1 m on the other side. What is the total length of the fence in centimeters? **1,330 cm**