

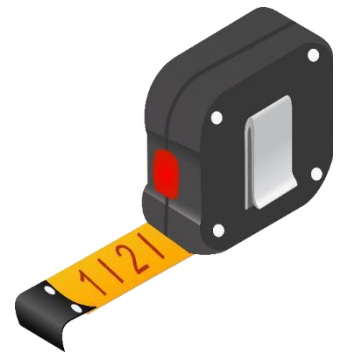
Length word problems (metric units)

Grade 5 Word Problems Worksheet

1. Liam ran 4 times around a circular track and did 100 jumping jacks. He ran a total of 2.4 km. How long is one complete circuit of the track (measured in meters)?

2. Carlo is 175 cm tall while his friend Reggie is 1,680 mm tall. After 3 years, Carlo grew by 40 mm and Reggie grew by 7 cm. Which of the two is taller after a year? How tall in centimeters?

3. A brick is 90 mm thick. How tall is the wall (in meters) if it is 32 bricks high?



4. It was a hot summer when Jem dug 4.5 meters deep into the soil for a well for his farm. There was no flowing water, so he dug 120 cm deeper until water flowed. After 2 days, the water in the well was 2,300 mm deep. How deep down did Jem dig in all (meters)? What part of the well was not filled with water?
5. John can walk 1.2 km in 25 minutes. How far (measured in meters) can he walk in a minute?
6. Each piece of plywood is 12 mm thick. A stack of 139 pieces of plywood is about _____ meters high.
- a. 1,700
 - b. 17
 - c. 1.7

Answers

1. $2.4 \text{ km} \div 4 = 0.6 \text{ km} = 600 \text{ meters}$
A complete circuit of the track is 600 meters.
2. $1,680 \text{ mm} = 168 \text{ cm}$ $40 \text{ mm} = 4 \text{ cm}$
Carlo: $175 + 4 = 179 \text{ cm}$
Reggie: $168 + 7 = 175 \text{ cm}$
 $179 > 175$ Carlo is taller than Reggie.
 $179 - 175 = 4$
Carlo is 4 cm taller than Reggie.
3. $90 \text{ mm} \times 32 = 2,880 \text{ mm} = 2.88 \text{ m}$
The wall is 2.88 meters tall.
4. $120 \text{ cm} = 1.2 \text{ meters}$ $2,300 \text{ mm} = 2.3 \text{ meters}$
 $4.5 + 1.2 = 5.7 \text{ meters}$
Jem dug 5.7 meters deep into the soil.
 $5.7 - 2.3 = 3.4$
3.4 meters of the well was not filled with water.
5. $1.2 \text{ km} = 1,200 \text{ m}$
 $1,200 \text{ m} \div 25 = 48 \text{ m}$
John can walk 48 meters in a minute.
6. $12 \times 139 = 1,668 \text{ mm}$
 $1,668 \text{ mm} = 1.668 \text{ m}$
Answer is (c).