

Length Word Problems

Name: _____ Class: _____

1 mile = 1609.34 m, 1 yard = 91 cm, 1 foot = 30.48 cm, 1 inch = 2.54 cm
Show your workings and round answers off to the nearest hundredth.

1. I run 1 mile per day to stay fit.
How many meters do I run in 2 days?



2. Peter is 4 feet tall. James is 1.2 times taller than him.
How tall is James in centimeters?

3. A fork is 8 inches long. How long are 3 such forks
in centimeters?



4. I cycle 3 miles per day to stay fit. Do I cycle more or less than
5 kilometers per day?

5. The total length of 2 identical sofas is 6 yards.
What is the length of 1 of these sofas in meters?



6. The distance between my house and my work is 2.34 miles.
How far is this in meters?

Answers

1 mile = 1609.34 m, 1 yard = 91 cm, 1 foot = 30.48 cm, 1 inch = 2.54 cm
Show your workings and round answers off to the nearest hundredth.

1. I run 1 mile per day to stay fit.
How many meters do I run in 2 days?

$$2 \times 1609.34 = 3,218.68 \text{ meters}$$



2. Peter is 4 feet tall. James is 1.2 times taller than him.
How tall is James in centimeters?

$$1.2 \times 4 \times 30.48 = 146.3 \text{ centimeters}$$

3. A fork is 8 inches long. How long are 3 such forks
in centimeters?

$$3 \times 8 \times 2.54 = 60.96 \text{ centimeters}$$



4. I cycle 3 miles per day to stay fit. Do I cycle more or less than
5 kilometers per day?

$$3 \times 1,609.34 = 4,828.02, \text{ thus less than 5 kilometers}$$

5. The total length of 2 identical sofas is 6 yards.
What is the length of 1 of these sofas in meters?

$$3 \times 0.91 = 2.73 \text{ meters}$$



6. The distance between my house and my work is 2.34 miles.
How far is this in meters?

$$2.34 \times 1609.34 = 3,765.86 \text{ meters}$$