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. A buffalo is 5 feet tall. A giraffe is 2 times taller than the buffalo. How tall is the giraffe in centimeters?

2. A road is 1.6 miles long If you walk it way and back, how many meters will you have walked?

3. A pen is 4 inches long. What is the length of 2 such pens in centimeters?

4. We rollerskate 500 yards per day just for fun. Do we skate more or less than 2 kilometers in 4 days?

5. The total length of 3 identical tables is 4 yards. What is the length of these 3 tables in meters?

6. The distance between New York and London is 3,358 miles. How far is this in kilometers?

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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. A buffalo is 5 feet tall. A giraffe is 2 times taller than the buffalo. How tall is the giraffe in centimeters?

2 x 5 x 30.48 = 304.80 centimeters

2. A road is 1.6 miles long If you walk it way and back, how many meters will you have walked?

1.6 x 2 x1609.34 = 5,149.89 meters

3. A pen is 4 inches long. What is the length of 2 such pens in centimeters?

2 x 4 x2.54 = 20.32 centimeters

4. We rollerskate 500 yards per day just for fun. Do we skate more or less than 2 kilometers in 4 days?

4 x 500 x 0.91 = 1,820 , thus less than 2 kilometers

5. The total length of 3 identical tables is 4 yards. What is the length of these 3 tables in meters?

4 x 0.91 = 3.64 meters

6. The distance between New York and London is 3,358 miles. How far is this in kilometers?

3,358 x 1.60934 = 5,404.16 kilometers

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