

## Converting U.S. and Metric Lengths (E)

Convert each length to the unit indicated.

$$1 \text{ centimeter} = 0.394 \text{ inches}$$

$$1 \text{ foot} = 30.48 \text{ centimeters}$$

$$1 \text{ meter} = 1.094 \text{ yards}$$

$$1 \text{ mile} = 1.609 \text{ kilometers}$$

$$1 \text{ foot} = 0.000305 \text{ kilometers}$$

$$1 \text{ inch} = 2.54 \text{ centimeters}$$

$$1 \text{ meter} = 3.281 \text{ feet}$$

$$1 \text{ yard} = 0.914 \text{ meters}$$

$$1 \text{ meter} = 0.000621 \text{ miles}$$

$$1 \text{ kilometer} = 3280.84 \text{ feet}$$

$$1 \text{ centimeter} = 0.0328 \text{ feet}$$

$$1 \text{ foot} = 0.3048 \text{ meters}$$

$$1 \text{ kilometer} = 0.621 \text{ miles}$$

$$1 \text{ mile} = 1609.34 \text{ meters}$$

1. How many kilometers are in 18,569 feet?
2. How many inches are in 10 centimeters?
3. How many yards are in 8 meters?
4. How many feet are in 215 centimeters?
5. How many centimeters are in 7 feet?
6. How many miles are in 6 kilometers?
7. How many meters are in 5 miles?
8. How many feet are in 1 kilometer?
9. How many feet are in 3 meters?
10. How many miles are in 83 meters?

## Converting U.S. and Metric Lengths (E) Answers

Convert each length to the unit indicated.

$$1 \text{ centimeter} = 0.394 \text{ inches}$$

$$1 \text{ foot} = 30.48 \text{ centimeters}$$

$$1 \text{ meter} = 1.094 \text{ yards}$$

$$1 \text{ mile} = 1.609 \text{ kilometers}$$

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$$1 \text{ inch} = 2.54 \text{ centimeters}$$

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$$1 \text{ yard} = 0.914 \text{ meters}$$

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$$1 \text{ kilometer} = 3280.84 \text{ feet}$$

$$1 \text{ centimeter} = 0.0328 \text{ feet}$$

$$1 \text{ foot} = 0.3048 \text{ meters}$$

$$1 \text{ kilometer} = 0.621 \text{ miles}$$

$$1 \text{ mile} = 1609.34 \text{ meters}$$

1. How many kilometers are in 18,569 feet?

5.663545 kilometers

2. How many inches are in 10 centimeters?

3.94 inches

3. How many yards are in 8 meters?

8.752 yards

4. How many feet are in 215 centimeters?

7.052 feet

5. How many centimeters are in 7 feet?

213.36 centimeters

6. How many miles are in 6 kilometers?

3.726 miles

7. How many meters are in 5 miles?

8046.7 meters

8. How many feet are in 1 kilometer?

3280.84 feet

9. How many feet are in 3 meters?

9.843 feet

10. How many miles are in 83 meters?

0.051543 miles