

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

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 feet are in 229 centimeters?

2. How many centimeters are in 8 feet?

3. How many kilometers are in 6 miles?

4. How many meters are in 1 mile?

5. How many centimeters are in 3 inches?

6. How many miles are in 10 kilometers?

7. How many meters are in 18 feet?

8. How many feet are in 7 kilometers?

9. How many miles are in 3233 meters?

10. How many meters are in 4 yards?

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

Convert each length to the unit indicated.

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

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

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

1. How many feet are in 229 centimeters?

7.5112 feet

2. How many centimeters are in 8 feet?

243.84 centimeters

3. How many kilometers are in 6 miles?

9.654 kilometers

4. How many meters are in 1 mile?

1609.34 meters

5. How many centimeters are in 3 inches?

7.62 centimeters

6. How many miles are in 10 kilometers?

6.21 miles

7. How many meters are in 18 feet?

5.4864 meters

8. How many feet are in 7 kilometers?

22,965.88 feet

9. How many miles are in 3233 meters?

2.007693 miles

10. How many meters are in 4 yards?

3.656 meters