

# Conversions: length



Units of length	
12 inches	1 foot
3 feet	1 yard
5,280 feet	1 mile
1,760 yards	1 mile

This conversion table shows how to convert inches, feet, yards, and miles.

Brian's rope is 60 inches long.  
How many feet long is it?

$$60 \div 12 = 5$$

5 feet long

Neilika's rope is 3 yards long.  
How many inches long is it?

$$3 \times 3 = 9$$

$$9 \times 12 = 108$$

9 feet long

108 inches long

Convert each measurement to feet.

36 inches

12 inches

48 inches

72 inches

Convert each measurement to yards.

6 feet

12 feet

27 feet

36 feet

Convert each measurement to inches.

4 feet

12 feet

8 feet

5 feet

Convert each measurement to feet.

6 yards

2 yards

7 yards

5 yards

Convert each measurement.

4 yards

5 yards

4 miles

1 mile

inches

inches

feet

inches

15,840 feet

31,680 feet

1,760 yards

3,520 yards

miles

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mile

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108 inches long

Convert each measurement to feet.

$$36 \div 12 = 3$$

3 feet

$$12 \div 12 = 1$$

1 foot

$$48 \div 12 = 4$$

4 feet

$$72 \div 12 = 6$$

6 feet

Convert each measurement to yards.

$$6 \div 3 = 2$$

2 yards

$$12 \div 3 = 4$$

4 yards

$$27 \div 3 = 9$$

9 yards

$$36 \div 3 = 12$$

12 yards

Convert each measurement to inches.

$$4 \times 12 = 48$$

48 inches

$$12 \times 12 = 144$$

144 inches

$$8 \times 12 = 96$$

96 inches

$$5 \times 12 = 60$$

60 inches

Convert each measurement to feet.

$$6 \times 3 = 18$$

18 feet

$$2 \times 3 = 6$$

6 feet

$$7 \times 3 = 21$$

21 feet

$$5 \times 3 = 15$$

15 feet

Convert each measurement.

$$4 \times 3 \times 12 = 144$$

144 inches

$$5 \times 3 \times 12 = 180$$

180 inches

$$4 \times 5,280 = 21,120$$

21,120 feet

$$1 \times 5,280 \times 12 = 63,360$$

63,360 inches

$$15,840 \div 5,280 = 3$$

3 miles

$$31,680 \div 5,280 = 6$$

6 miles

$$1,760 \div 1,760 = 1$$

1 mile

$$3,520 \div 1,760 = 2$$

2 miles

If children are confused whether to multiply or divide, have them think about whether the new unit is a longer or a shorter unit. If the unit is longer, there will be fewer of them, so division will be the appropriate operation to use.