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	miles	mile	miles

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108 inches long

Convert each measurement to feet.

36 inches $36 \div 12 = 3$	12 inches $12 \div 12 = 1$	48 inches $48 \div 12 = 4$	72 inches $72 \div 12 = 6$
3 feet	1 foot	4 feet	6 feet

Convert each measurement to yards.

6 feet $6 \div 3 = 2$	12 feet $12 \div 3 = 4$	27 feet $27 \div 3 = 9$	36 feet $36 \div 3 = 12$
2 yards	4 yards	9 yards	12 yards

Convert each measurement to inches.

4 feet $4 \times 12 = 48$	12 feet $12 \times 12 = 144$	8 feet $8 \times 12 = 96$	5 feet $5 \times 12 = 60$
48 inches	144 inches	96 inches	60 inches

Convert each measurement to feet.

6 yards $6 \times 3 = 18$	2 yards $2 \times 3 = 6$	7 yards $7 \times 3 = 21$	5 yards $5 \times 3 = 15$
18 feet	6 feet	21 feet	15 feet

Convert each measurement.

4 yards $4 \times 3 \times 12 = 144$	5 yards $5 \times 3 \times 12 = 180$	4 miles $4 \times 5,280 = 21,120$	1 mile $1 \times 5,280 \times 12 = 63,360$
144 inches	180 inches	21,120 feet	63,360 inches

15,840 feet $15,840 \div 5,280 = 3$	31,680 feet $31,680 \div 5,280 = 6$	1,760 yards $1760 \div 1760 = 1$	3,520 yards $3520 \div 1760 = 2$
3 miles	6 miles	1 mile	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.