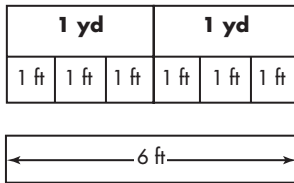


Converting Customary Units of Length

How to change a length measurement from one unit to another:

Converting a length measurement from a smaller unit to a larger unit

6 feet = _____ yards



Think: If I measure the same length using a larger unit, I will need a smaller number of units.

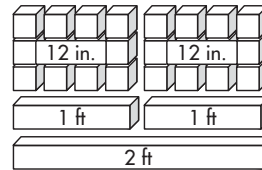
Operation: Divide.

You know $3 \text{ ft} = 1 \text{ yd}$.

Find $6 \div 3$; $6 \text{ ft} = 2 \text{ yd}$

Converting a length measurement from a larger unit to a smaller unit

2 feet = _____ inches



Think: If I measure the same length using a smaller unit, I will need a larger number of units.

Operation: Multiply.

You know $1 \text{ ft} = 12 \text{ in.}$

Find 2×12 ; $2 \text{ ft} = 24 \text{ in.}$

Relationships Among Customary Units of Length			
Inch	Foot	Yard	Mile
12 in. =	1 ft		
36 in. =	3 ft =	1 yd	
	5,280 ft =	1,760 yd =	1 mi

Complete.

- 5 ft = _____ in.
- 3 mi = _____ ft
- 108 in. = _____ ft
- 72 in. = _____ yd
- 2 ft 3 in. = _____ in.
- 45 in. = _____ yd _____ in.
- Which is the greater length, 2 yards or 5 feet? _____
- Estimation** A creek runs along a distance of 16,300 feet. About how many miles long is the creek? _____