

## Summarized Conversion Table

### Linear Measure

1 foot = 12 inches  
1 foot = 0.3048 meter  
1 mile = 5,280 feet  
1 chain = 66 feet  
1 mile = 80 chains

### Area Measure

1 acre = 10 square chains =  $\text{ch}^2$   
1 acre = 43,560 square feet =  $\text{ft}^2$   
1 acre = 4,046 square meters =  $\text{m}^2$   
1 square mile = 640 acres

### Volume Measure

1 pint = 2 cups  
1 quart = 2 pints  
4 quarts = 1 gallon  
1 liter = 2.11 pints  
1 liter = 0.2642 gallons  
1 cubic foot =  $\text{ft}^3$  = 7.4805 gallons  
1 gallon = 0.003485 cubic meters =  $\text{m}^3$   
1 gallon = 0.13346 cubic feet =  $\text{ft}^3$   
1 gallon = 231 cubic inches =  $\text{in}^3$   
1 cubic foot =  $\text{ft}^3$  = 1,728 cubic inches =  $\text{in}^3$

### Time Measure

## Table 2.1 Summarized Conversion Table

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1 minute = 60 seconds

1 hour = 60 minutes

1 day = 24 hours

1 week = 7 days

1 year = 12 months

### Force Measure

1 kilogram = 2.205 pounds

1 kg m/s<sup>2</sup> = 0.2248 pounds

1 slug ft/ s<sup>2</sup> = 1 pound

### Pressure Measure

1 psi = 2.036 in Hg at 32°F

1 atm = 14.7 psi

1 psi = 2.304 ft of water

### Weight

1 gallon of water = 8.34 pounds

1 cubic foot of water = 62.4 pounds