

Useful Conversions and Calculations

Useful Conversions:

Distance

1 square foot = 144 square inches
1 yard = 3 feet
1 square yard = 9 square feet
1 cubic yard = 27 cubic feet
1 mile = 5280 feet

Area

1 acre = 43,560 square feet
1 Square = 100 square feet
1 gallon = 231 cubic inches = 0.1337 cubic feet
1 gallon of water = 231 cubic inches
1 cubic foot = 12 x 12 x 12 = 1728 cubic inches = 7.4805 gallons

Weight

1 Ton = 2,000 pounds
1 cubic foot of concrete = ~150 lbs.
1 gallon of water = 8.4 lbs.
1 cubic foot of water = 63 lbs.

Useful Calculations:

Pi = 3.14
Area = (Length x Width)
Linear Feet = (Length + Length)
Perimeter = (Length + Width + Length + Width)
Circle Circumference = (2 x Radius x Pi) = (Diameter x Pi)
Circle Area = (Radius x Pi)
Diameter of Circle = (2 x Radius)
Area of Circle = (Pi x Radius²)
Area of Circle Sector = (Pi x Radius²) x (#/360)
Cubic Feet = (Length x Width x Height)
Cubic Yard = (Length x Width x Height) / 27
Square Feet = (Length x Width)
(Length x Height)
Square = (Length x Width) / 100