

USEFUL INFORMATION

To find area of a circle multiply square of diameter by .7854.

To find diameter of a circle multiply circumference by .31831.

To find circumference of a circle multiply diameter by 3.1416.

To determine approximately the number of gallons in reservoir, multiply the length, width and depth in feet. This by 7.48.

To find pressure of water where head is given, multiply the head by .433.

To find the head when pressure is given, divide the pressure by .433.

Doubling the diameter of a pipe increases its capacity four times.

One cubic foot equals 7.48 gallons and weighs 62.4.

A miner's inch of water is equal to nine gallons per minute.

Theoretically water can be raised by suction 33 feet, but practically only 26 to 29 feet.

To find capacity in cubic feet: square diameter of bottom in feet, multiply by .7854 and by inside height of tank in feet.

Height of tank being known, to find diameter of tank needed for any capacity: divide quantity desired by .0034, divide remainder by height in inches and obtain square root. The value thus obtained is the diameter in inches, divide by 12 to obtain diameter in feet.

To find capacity of tank in gallons: square diameter in inches, multiply by height in inches, multiply by .0034, the product is the capacity in gallons.