Cheatography

# Math formulas for Volume for 3D shapes Cheat Sheet

by Cheat via cheatography.com/128959/cs/25391/

## Sphere

V = 4/3 π x r³

V = Volume

r = radius

## Hemisphere

V = (2/3)π x r3

V = Volume

r = Radius

## Cylinder

V = (2 x π x r) x l

V = Volume

r = Radius

l = Length

## Cube

V = a³

V = Volume

a = Side (length)

## Cuboid

V = h x l x b

V = Volume

h = Height

l = Length

b = Base (Width)

## Triangular Prism

V = 1/2 x h x b x l

V = Volume

h = Height

b = Base

l = Length

## Pyramid

V = l x w x h / 3

V = Volume

l = Length

w = Width (or Base)

h = Height

## Cone

V = 1/3 x h x π x r²

V = Volume

h = Height

r = Radius

## Tetrahedron

$$V = \frac{a^3}{6\sqrt{2}}$$

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Published 24th November, 2020.
Last updated 24th November, 2020.


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