Cheatography

Math formulas for Volume for 3D shapes Cheat Sheet

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

Sphere

$V = 4/3\ \pi \times r^3$

V = Volume

r = radius

Hemisphere

$V = (2/3)\pi \times r3$

V = Volume

r = Radius

Cylinder

$V = (2 \times \pi \times r) \times l$

V = Volume

r = Radius

l = Length

Cube

$V = a^3$

V = Volume

a = Side (length)

Cuboid

$V = h \times l \times b$

V = Volume

h = Height

l = Length

b = Base (Width)

Triangular Prism

$V = 1/2 \times h \times b \times l$

V = Volume

h = Height

b = Base

l = Length

Pyramid

$V = l \times w \times h / 3$

V = Volume

l = Length

w = Width (or Base)

h = Height

Cone

$V = 1/3 \times h \times \pi \times r^2$

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.