height

length

width

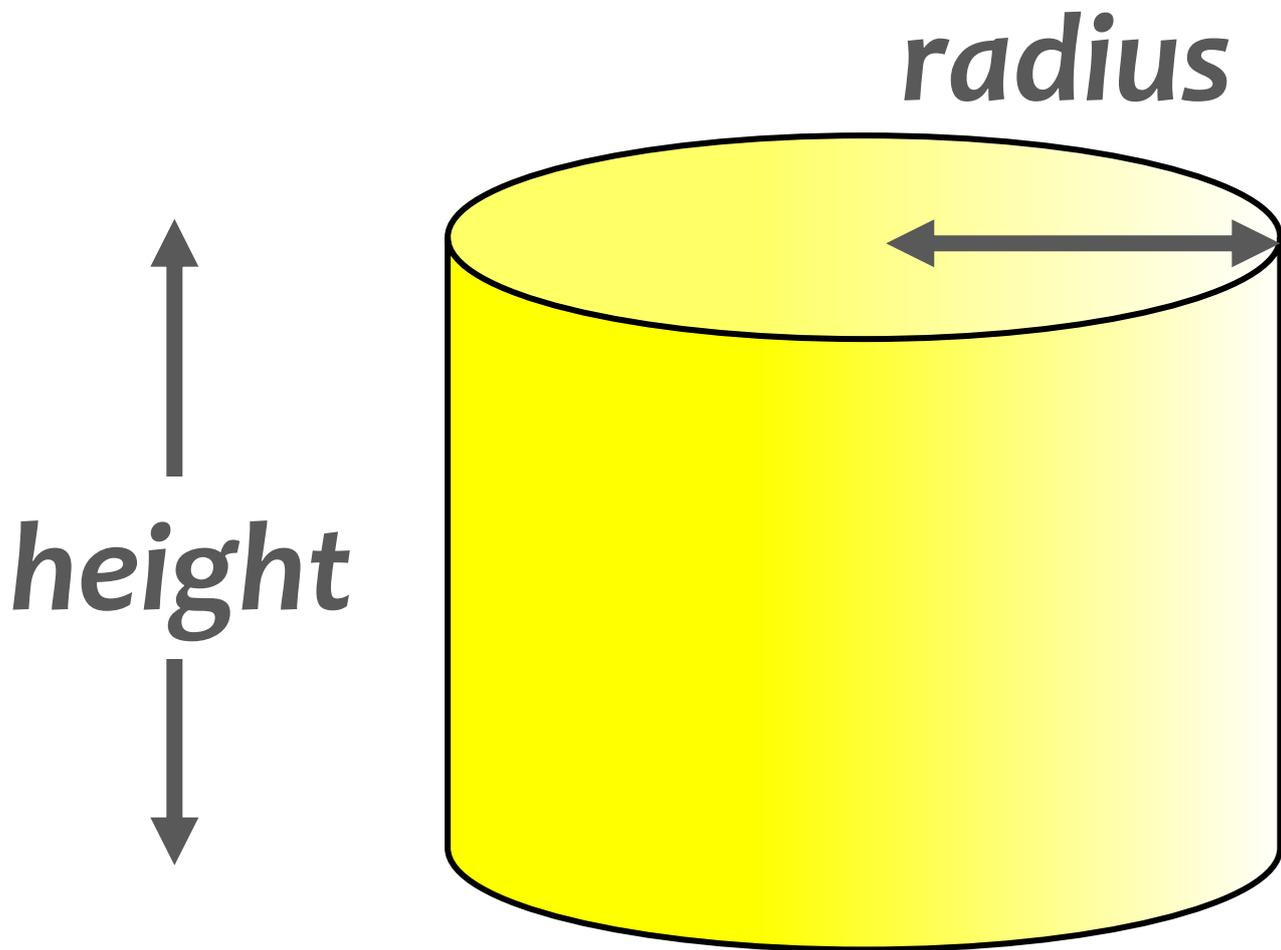Volume of cuboid

=

length × width × height

V = lwh
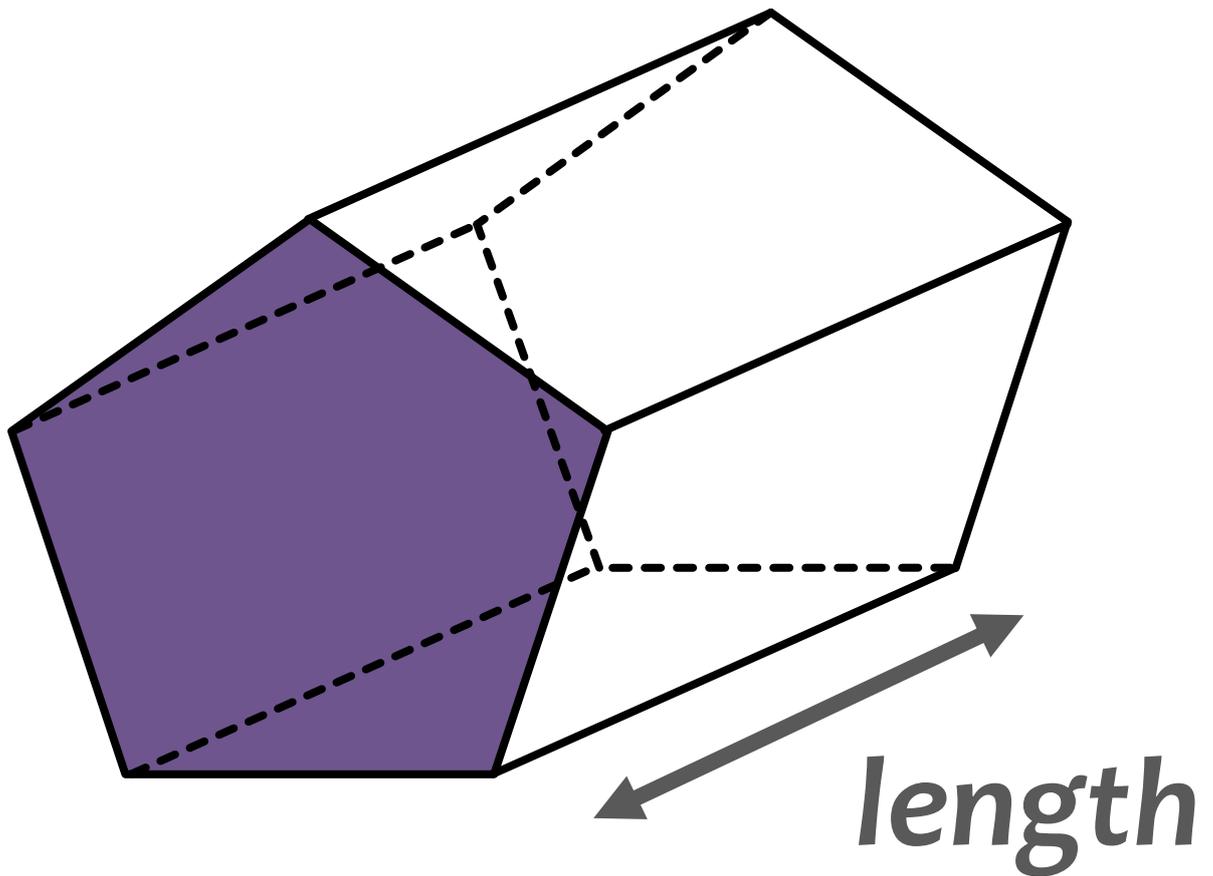
length

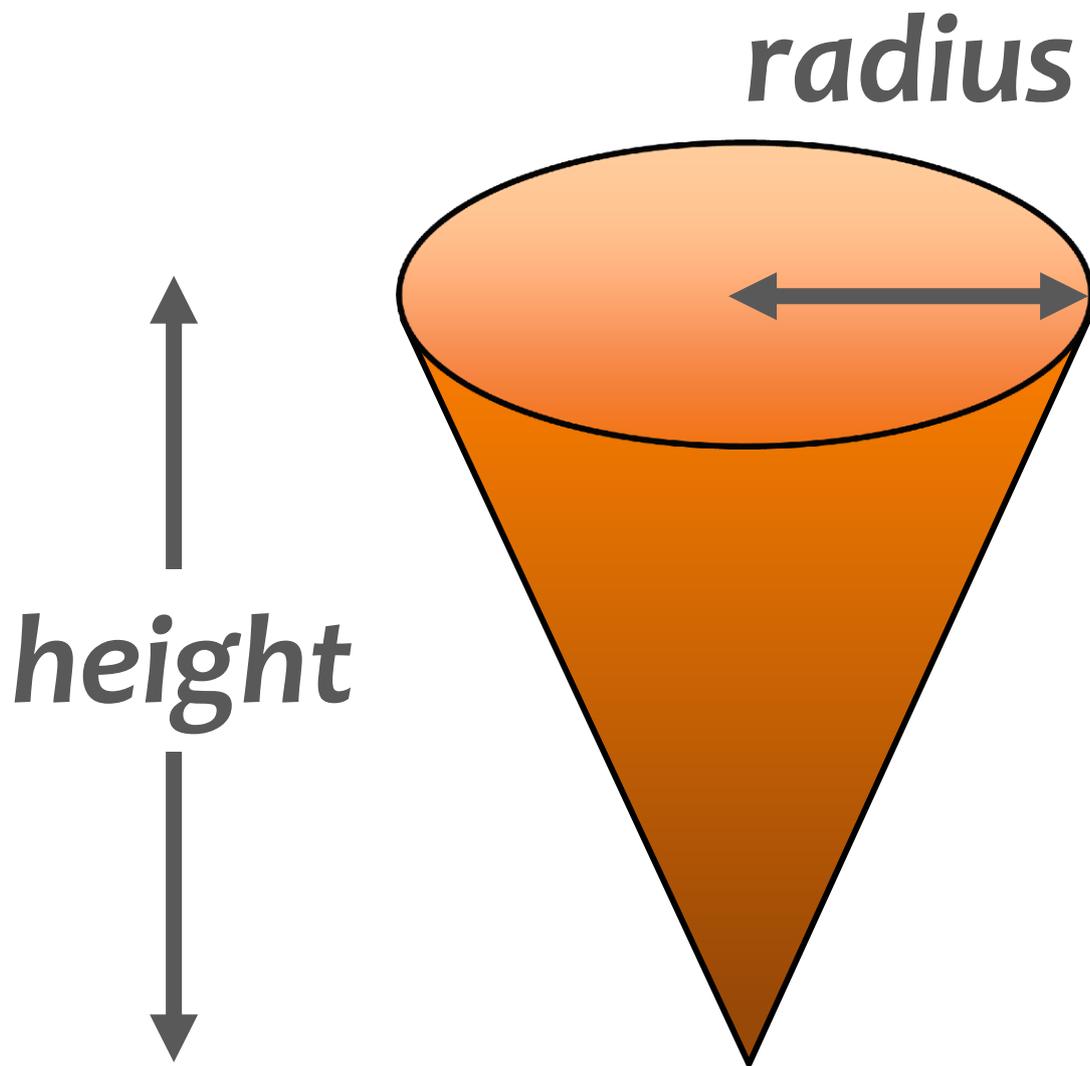# Volume of prism

=

area of cross-section × length

radius

height

Volume of cylinder

=

area of circular cross-section × height

$$V = \pi r^2 h$$

radius

height

Volume of cone

=

$\frac{1}{3}$ × area of circle × height
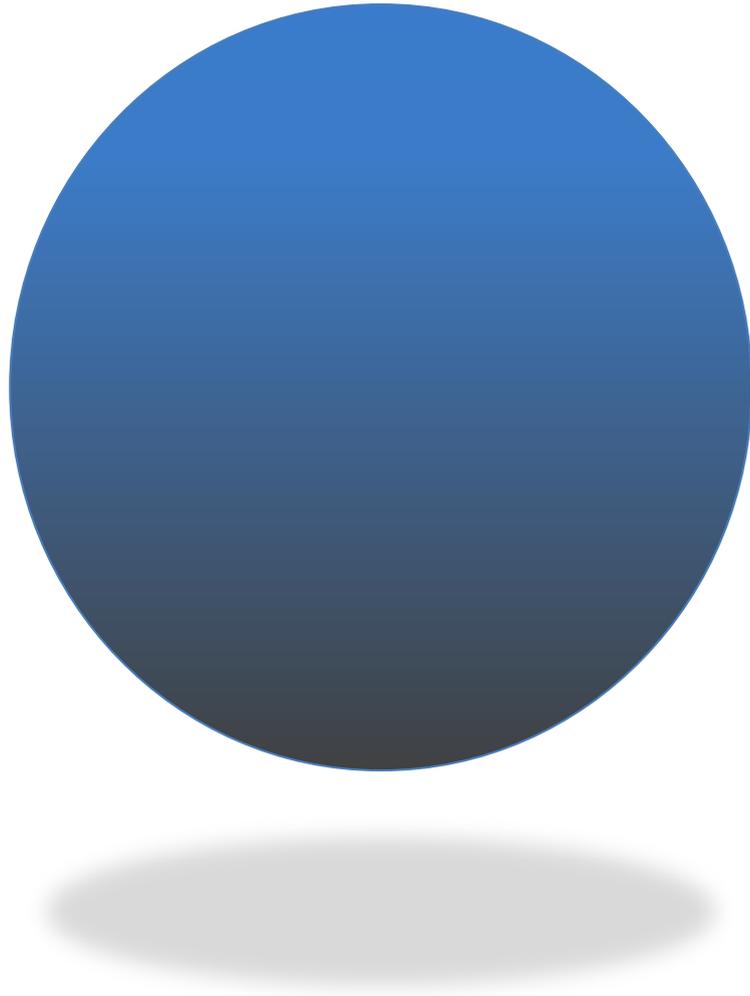
$$V = \frac{1}{3}\pi r^2 h$$
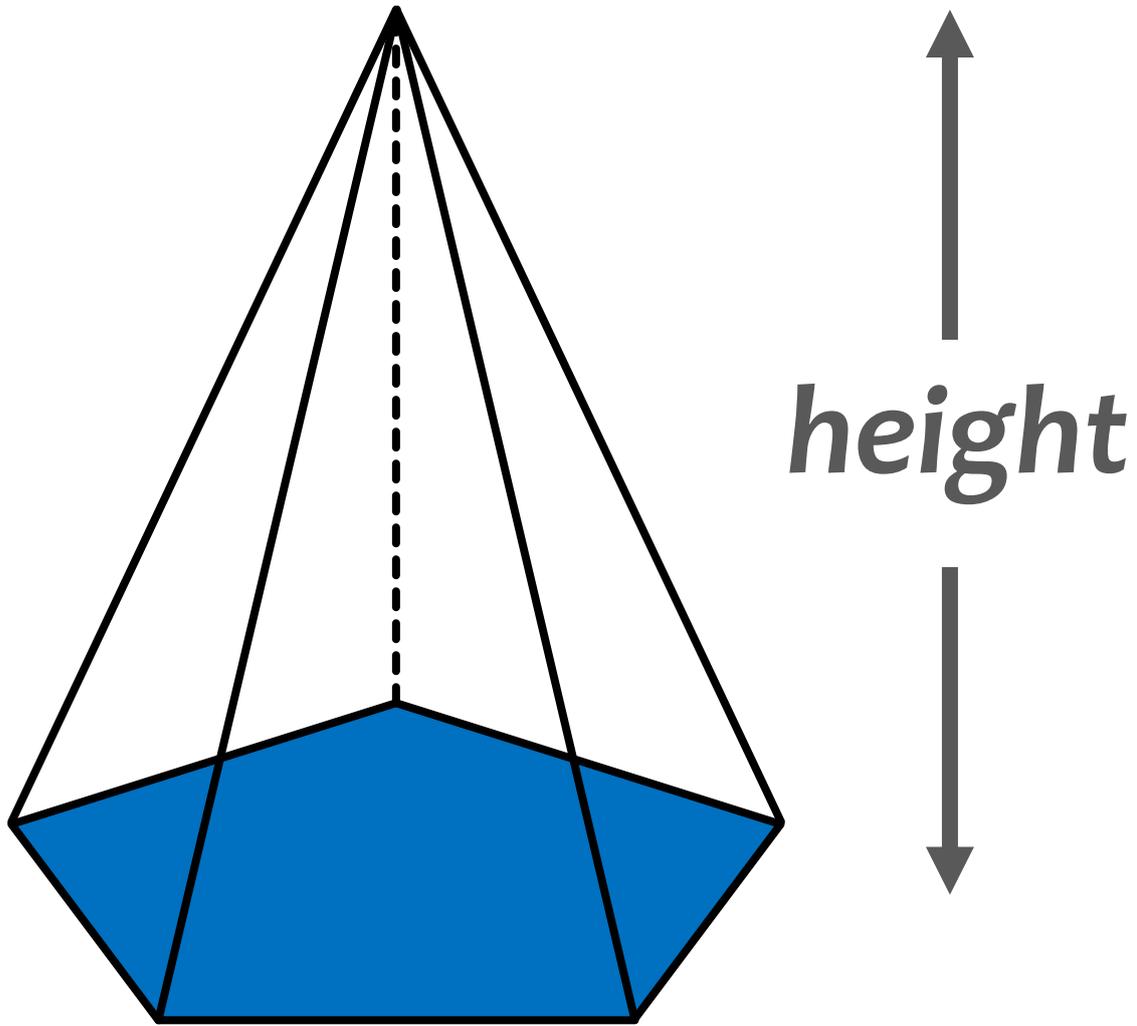
height

Volume of pyramid

=

$$\frac{1}{3} \times \text{area of base} \times \text{height}$$

radius

Volume of sphere

=

$$\frac{4}{3} \times \pi \times radius^3$$

$$V = \frac{4}{3}\pi r^3$$