

Find the volume of a cube with:

(1) side = 4 m

(2) side = 9 cm

(3) side = 18 m

(4) side = 10.3 feet

Find the volume of a cylinder with:

(5) radius = 4.2 m height = 9 in

(6) radius = 3.5 cm height = 4.5 cm

(7) diameter = 6 ft height = 3 feet

(8) radius = 10 ft height = 20 ft

Find the volume of a sphere with:

(9) radius = 20 m

(10) diameter = 5 in

(11) radius = 15 ft

(12) radius = 7.5 cm

(13) diameter = 8 mm

Find the volume of a pyramid with:

(14) base₁ = 5m base₂ = 4 m height = 9 m

(15) base₁ = 20 in base₂ = 15 in height = 18 in

(16) base₁ = 9 mm base₂ = 8 mm height = 15 mm

(17) base₁ = 10 cm base₂ = 10 cm height = 12 cm

Answer Key

- (1) 64 m^3
- (2) 729 cm^3
- (3) $5\,832 \text{ in}^3$
- (4) $1\,092.73 \text{ in}^3$
- (5) 498.51 in^3
- (6) 173.1 cm^3
- (7) 28.26 ft^3
- (8) $6\,280 \text{ ft}^3$
- (9) $33\,493.33 \text{ m}^3$
- (10) 65.42 in^3
- (11) $14\,130 \text{ ft}^3$
- (12) 442.125 cm^3
- (13) 291 mm^3
- (14) 60 m^3
- (15) $1\,800 \text{ in}^3$
- (16) 360 in^3
- (17) 400 cm^3