

① Find the height of a rectangular prism with length 5 ft., width 9 ft., and volume 495 ft.^3

② Find the area of the base of a rectangular prism with volume 360 in^3 and height 9 in.

③ Find the volume of a rectangular prism with length 14 cm, width 11 cm, and height 18 cm.

④ Find the volume of a cube with edge length $2a$ ft.

⑤ Find the volume of a cylinder with diameter 16 in and height 7 in.

⑥ Find the volume of a cylinder with base area 196π cm² and a height equal to the diameter.

⑦ Find the height of a rectangular pyramid with length 3m, width 8m, and volume 112 m^3 .

⑧ Find the volume of a cone with slant height 10 ft and height 8 ft.

⑨ Find the volume of a rectangular pyramid with length 25cm, width 17cm, and height 21cm.

⑩ Find the volume of a regular triangular pyramid with base edge length 12 in and height 10 in.

⑪ Find the volume of a cone with diameter 22 cm and height 30 cm.

⑫ Find the volume of a cone with base circumference 8π m and a height 5 m more than $\frac{1}{2}$ the radius.

1. $h = 11 \text{ ft}$

2. $B = 40 \text{ in}^2$

3. $V = 2,772 \text{ cm}^3$

4. $V = 10,648 \text{ ft}^3$

5. $V \approx 1,407.4 \text{ in}^3$

6. $V \approx 17,241.1 \text{ cm}^3$

7. $h = 14 \text{ m}$

8. $V = 96\pi \text{ ft}^3$

9. $V = 2975 \text{ cm}^3$

10. $V = 207.8 \text{ in}^3$

11. $V = 3,801.3 \text{ cm}^3$

12. $V = ~~117.3~~ 117.3 \text{ m}^3$

regular triangle

