

Practice Questions: Round answers to the nearest whole number, use $\pi = 3.14$

1. Find the volume of a rectangular prism with length = 6 cm, width = 4 cm, and height = 5 cm.

(Volume formula: V = length × width × height)



2. What is the volume of a cone with radius = 3 cm and height = 7 cm?

(Volume formula: $V = 1/3 \times \pi \times radius^2 \times height$)





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3. Calculate the volume of a cylinder with radius = 2.5 m and height = 10 m.

(Volume formula: $V = \pi \times radius^2 \times height$)



Determine the volume of a sphere with radius = 8 cm.

(Volume formula: $V = 4/3 \times \pi \times radius^3$)





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5. Find the volume of a triangular prism with triangle area = 10 cm^2 and height = 12 cm.

(Volume formula: $V = triangle area \times height$)



6. Calculate the volume of a cube with side length = 9 cm.

(Volume formula: $V = side length^3$)





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7. Determine the volume of a pyramid with base area = 15 m^2 and height = 6 m.

(Volume formula: $V = 1/3 \times base area \times height$)



Find the volume of a hemisphere with radius = 5 mm.

(Volume formula: $V = 2/3 \times \pi \times radius^3$)





Practice Questions: Round answers to the nearest whole number, use $\pi = 3.14$

Find the length of a cuboid with
 Volume = 100 cm³, width = 4 cm, and height = 5 cm.

(Volume formula: V = length × width × height)



10. Find the Width of a cuboid with
Volume = 300 cm³, length = 15 cm, and height = 10 cm.

(Volume formula: V = length × width × height)





Practice Questions: Answers

1. Find the volume of a rectangular prism with length = 6 cm, width = 4 cm, and height = 5 cm.

(Volume formula: V = length × width × height)



1. The volume of the rectangular prism is 120 cubic centimeters (cm³).

2. What is the volume of a cone with radius = 3 cm and height = 7 cm?

(Volume formula: V = $1/3 \times \pi \times radius^2 \times height$)



2. The volume of the cone is approximately 66 cubic centimeters (cm³).

3. Calculate the volume of a cylinder with radius = 2.5 m and height = 10 m.

(Volume formula: $V = \pi \times radius^2 \times height$)



3. The volume of the cylinder is approximately 196 cubic meters (m³).

4. Determine the volume of a sphere with radius = 8 cm.

(Volume formula: $V = 4/3 \times \pi \times radius^3$)



4. The volume of the sphere is approximately 2144 cubic centimeters (cm³).

5. Find the volume of a triangular prism with triangle area = 10 cm^2 and height = 12 cm.

(Volume formula: $V = triangle area \times height$)





Practice Questions: Answers

6. Calculate the volume of a cube with side length = 9 cm.

(Volume formula: V = side length³)



6. The volume of the cube is 729 cubic centimeters (cm³).

7. Determine the volume of a pyramid with base area = 15 m^2 and height = 6 m.

(Volume formula: $V = 1/3 \times base area \times height$)



7. The volume of the pyramid is 30 cubic meters (m³).

8. Find the volume of a hemisphere with radius = 5 mm. (Volume formula: V = $2/3 \times \pi \times \text{radius}^3$)



8. The volume of the hemisphere is approximately 262 cubic millimeters (mm³).

9. Find the length of a cuboid with Volume = 100 cm^3 , width = 4 cm, and height = 5 cm.

(Volume formula: $V = \text{length} \times \text{width} \times$

9. The Length of the rectangular prism is 5 centimeters (cm).

10. Find the Width of a cuboid with Volume = 300 cm^3 , length = 15 cm, and height = 10 cm.

(Volume formula: V = length × width × height)



height)