

Volume of Shapes

Grades 7-8 • Calculating volume of rectangular prisms and cylinders

Name: _____

Date: _____

1. Find the volume of a cylinder with radius 3 units and height 8 units (use $\pi \approx 3.14$)

Answer: _____

2. Find the volume of a rectangular prism with length 10 units, width 6 units, and height 7 units

Answer: _____

3. Find the volume of a rectangular prism with length 10 units, width 9 units, and height 8 units

Answer: _____

4. Find the volume of a cylinder with radius 3 units and height 7 units (use $\pi \approx 3.14$)

Answer: _____

5. Find the volume of a cube with side length 3 units

Answer: _____

6. Find the volume of a cylinder with radius 6 units and height 10 units (use $\pi \approx 3.14$)

Answer: _____

7. Find the volume of a cube with side length 6 units

Answer: _____

8. Find the volume of a cube with side length 8 units

Answer: _____

9. Find the volume of a rectangular prism with length 6 units, width 7 units, and height 4 units

Answer: _____

10. Find the volume of a cylinder with radius 4 units and height 9 units (use $\pi \approx 3.14$)

Answer: _____

Answer Key

1.	Find the volume of a cylinder with radius 3 units and height 8 units (use $\pi \approx 3.14$)	226.2 cubic units
2.	Find the volume of a rectangular prism with length 10 units, width 6 units, and height 7 units	420 cubic units
3.	Find the volume of a rectangular prism with length 10 units, width 9 units, and height 8 units	720 cubic units
4.	Find the volume of a cylinder with radius 3 units and height 7 units (use $\pi \approx 3.14$)	197.9 cubic units
5.	Find the volume of a cube with side length 3 units	27 cubic units
6.	Find the volume of a cylinder with radius 6 units and height 10 units (use $\pi \approx 3.14$)	1131.0 cubic units
7.	Find the volume of a cube with side length 6 units	216 cubic units
8.	Find the volume of a cube with side length 8 units	512 cubic units
9.	Find the volume of a rectangular prism with length 6 units, width 7 units, and height 4 units	168 cubic units
10.	Find the volume of a cylinder with radius 4 units and height 9 units (use $\pi \approx 3.14$)	452.4 cubic units