

# Volume of Shapes

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

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Find the volume of a cylinder with radius 6 units and height 7 units (use  $\pi \approx 3.14$ )

Answer: \_\_\_\_\_

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

Answer: \_\_\_\_\_

3. Find the volume of a cube with side length 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 cylinder with radius 6 units and height 9 units (use  $\pi \approx 3.14$ )

Answer: \_\_\_\_\_

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

Answer: \_\_\_\_\_

7. Find the volume of a cylinder with radius 5 units and height 9 units (use  $\pi \approx 3.14$ )

Answer: \_\_\_\_\_

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

Answer: \_\_\_\_\_

9. Find the volume of a cylinder with radius 2 units and height 8 units (use  $\pi \approx 3.14$ )

Answer: \_\_\_\_\_

10. Find the volume of a rectangular prism with length 12 units, width 5 units, and height 3 units

Answer: \_\_\_\_\_

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## Answer Key

1.	Find the volume of a cylinder with radius 6 units and height 7 units (use $\pi \approx 3.14$ )	<b>791.7 cubic units</b>
2.	Find the volume of a cube with side length 8 units	<b>512 cubic units</b>
3.	Find the volume of a cube with side length 8 units	<b>512 cubic units</b>
4.	Find the volume of a cylinder with radius 3 units and height 7 units (use $\pi \approx 3.14$ )	<b>197.9 cubic units</b>
5.	Find the volume of a cylinder with radius 6 units and height 9 units (use $\pi \approx 3.14$ )	<b>1017.9 cubic units</b>
6.	Find the volume of a cube with side length 8 units	<b>512 cubic units</b>
7.	Find the volume of a cylinder with radius 5 units and height 9 units (use $\pi \approx 3.14$ )	<b>706.9 cubic units</b>
8.	Find the volume of a cube with side length 6 units	<b>216 cubic units</b>
9.	Find the volume of a cylinder with radius 2 units and height 8 units (use $\pi \approx 3.14$ )	<b>100.5 cubic units</b>
10.	Find the volume of a rectangular prism with length 12 units, width 5 units, and height 3 units	<b>180 cubic units</b>