Volume of Shapes

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

Name: _____   Date: _____

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

Answer: _____

2. Find the volume of a cylinder with radius 2 units and height 10 units (use $\pi \approx 3.14$)

Answer: _____

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

Answer: _____

4. Find the volume of a cylinder with radius 2 units and height 5 units (use $\pi \approx 3.14$)

Answer: _____

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

Answer: _____

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

Answer: _____

7. Find the volume of a cylinder with radius 6 units and height 10 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 4 units and height 10 units (use $\pi \approx 3.14$)

Answer: _____

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

Answer: _____

Answer Key

1.	Find the volume of a cube with side length 3 units	**27 cubic units**
2.	Find the volume of a cylinder with radius 2 units and height 10 units (use $\pi \approx 3.14$)	**125.7 cubic units**
3.	Find the volume of a cylinder with radius 4 units and height 9 units (use $\pi \approx 3.14$)	**452.4 cubic units**
4.	Find the volume of a cylinder with radius 2 units and height 5 units (use $\pi \approx 3.14$)	**62.8 cubic units**
5.	Find the volume of a cylinder with radius 3 units and height 4 units (use $\pi \approx 3.14$)	**113.1 cubic units**
6.	Find the volume of a cube with side length 7 units	**343 cubic units**
7.	Find the volume of a cylinder with radius 6 units and height 10 units (use $\pi \approx 3.14$)	**1131.0 cubic units**
8.	Find the volume of a cube with side length 6 units	**216 cubic units**
9.	Find the volume of a cylinder with radius 4 units and height 10 units (use $\pi \approx 3.14$)	**502.7 cubic units**
10.	Find the volume of a rectangular prism with length 7 units, width 4 units, and height 6 units	**168 cubic units**