Name: _____

Volume Word Problems Cylinders Cones and Spheres

Solve each problem. Use 3.14 for π and round to the nearest tenth.

1. A cone and a cylinder both have a radius of 4 ft and a height of 10 ft. How much greater is the cylinder's volume? Use 3.14 for π.

   Answer: _____

2. A ball has a diameter of 10 in. What is its volume? Use 3.14 for π.

   Answer: _____

3. An ice cream cone has a radius of 2 cm and a height of 7 cm. What is its volume? Use 3.14 for π.

   Answer: _____

4. A grain silo is a cylinder with radius 6 m and height 4 m topped by a half sphere. Find the total volume. Use 3.14 for π.

   Answer: _____

5. A can of soup has a radius of 3 in and a height of 9 in. How much soup can it hold? Use 3.14 for π.

   Answer: _____

6. A cone and a cylinder both have a radius of 6 ft and a height of 11 ft. How much greater is the cylinder's volume? Use 3.14 for π.

   Answer: _____

7. A ball has a diameter of 12 in. What is its volume? Use 3.14 for π.

   Answer: _____

8. An ice cream cone has a radius of 2 cm and a height of 4 cm. What is its volume? Use 3.14 for π.

   Answer: _____

9. A grain silo is a cylinder with radius 5 m and height 9 m topped by a half sphere. Find the total volume. Use 3.14 for π.

   Answer: _____

10. A can of soup has a radius of 5 in and a height of 9 in. How much soup can it hold? Use 3.14 for π.

    Answer: _____

Name: **ANSWER KEY**

Volume Word Problems Cylinders Cones and Spheres

Solve each problem. Use 3.14 for π and round to the nearest tenth.

1. A cone and a cylinder both have a radius of 4 ft and a height of 10 ft. How much greater is the cylinder's volume? Use 3.14 for π.

Answer: 334.9 cubic ft

2. A ball has a diameter of 10 in. What is its volume? Use 3.14 for π.

Answer: 523.3 cubic in

3. An ice cream cone has a radius of 2 cm and a height of 7 cm. What is its volume? Use 3.14 for π.

Answer: 29.3 cubic cm

4. A grain silo is a cylinder with radius 6 m and height 4 m topped by a half sphere. Find the total volume. Use 3.14 for π.

Answer: 904.3 cubic m

5. A can of soup has a radius of 3 in and a height of 9 in. How much soup can it hold? Use 3.14 for π.

Answer: 254.3 cubic in

6. A cone and a cylinder both have a radius of 6 ft and a height of 11 ft. How much greater is the cylinder's volume? Use 3.14 for π.

Answer: 829.0 cubic ft

7. A ball has a diameter of 12 in. What is its volume? Use 3.14 for π.

Answer: 904.3 cubic in

8. An ice cream cone has a radius of 2 cm and a height of 4 cm. What is its volume? Use 3.14 for π.

Answer: 16.7 cubic cm

9. A grain silo is a cylinder with radius 5 m and height 9 m topped by a half sphere. Find the total volume. Use 3.14 for π.

Answer: 968.2 cubic m

10. A can of soup has a radius of 5 in and a height of 9 in. How much soup can it hold? Use 3.14 for π.

Answer: 706.5 cubic in