Volume of a Cylinder

Name:_____ Date:_____

Solve the problems.

1) Calculate the volume of a cylinder, if the height is 13 cm and the radius is 7 cm.

_____

2) Find the volume of a cylinder whose height is 15 cm and diameter is 8 cm.

_____

3) The height and diameter of a cylinder are 10 feet and 16 feet respectively. Find the volume of water the cylinder can hold. Use (π= 3.14).

_____

4) Find the radius of a cylinder having the volume of 65 cm^3 and the height of the cylinder is 13 cm?

_____

5) Calculate the height of a cylinder whose volume is 610.12 cm^3 and radius is 4 cm.

_____

6) Find the volume of a cylinder having the radius of the base as 11 cm and the height of the cylinder is 20 cm?

_____

7) Find the volume of a cylinder having the radius as 7 m and the height of the cylinder is 9 m?

_____

8) The height and radius of a cylinder-shaped tin are 14 feet and 5 feet respectively. Find the volume of water the tin can hold. Use (π= 3.14).

_____

9) Calculate the volume of a cylinder having the radius of the base as 15 cm and the height of the cylinder is 6 cm?

_____

10) A container is shaped like a cylinder contains oil. The radius is 8 feet and the height is 15 feet. If the container release oil of 120 cubic feet, then find the oil contain in the cylinder? Use (π= 3.14).

_____

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Solve the problems.

1) Calculate the volume of a cylinder, if the height is 13 cm and the radius is 7 cm.

2001.19 ≈ 2001 cm^3

2) Find the volume of a cylinder whose height is 15 cm and diameter is 8 cm.

753.98 ≈ 754 cm^3

3) The height and diameter of a cylinder are 10 feet and 16 feet respectively. Find the volume of water the cylinder can hold. Use (π= 3.14).

2010.62 ≈ 2011 ft^3

4) Find the radius of a cylinder having the volume of 65 cm^3 and the height of the cylinder is 13 cm?

1.26 ≈ 1 cm

5) Calculate the height of a cylinder whose volume is 610.12 cm^3 and radius is 4 cm.

12.14 ≈ 12 cm

6) Find the volume of a cylinder having the radius of the base as 11 cm and the height of the cylinder is 20 cm?

7602.65 ≈ 7603 cm^3

7) Find the volume of a cylinder having the radius as 7 m and the height of the cylinder is 9 m?

1385.44 ≈ 1385 m^3

8) The height and radius of a cylinder-shaped tin are 14 feet and 5 feet respectively. Find the volume of water the tin can hold. Use (π= 3.14).

1099.56 ≈ 1100 ft^3

9) Calculate the volume of a cylinder having the radius of the base as 15 cm and the height of the cylinder is 6 cm?

4241.15 ≈ 4241 cm^3

10) A container is shaped like a cylinder contains oil. The radius is 8 feet and the height is 15 feet. If the container release oil of 120 cubic feet, then find the oil contain in the cylinder? Use (π= 3.14).

2895.93 ≈ 2896 ft^3