

# Volume of a Cylinder

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

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

**Solve the problems.**

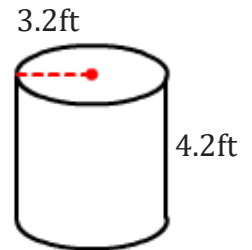
- 1) The height and diameter of a cylinder are 2 mm and 6 mm respectively. Find the volume of water the cylinder can hold. Use ( $\pi = 3.14$ ).

\_\_\_\_\_

$56.55 \approx 57 \text{ mm}^3$

\_\_\_\_\_

- 2) Emma uses an empty can for a project, as shown in the picture; she fills it with the water. Find the volume of a can?



- 3) Henry is a drummer in his school's band. He carries his drum whenever there is an event in the school. The drum has a diameter of 24 inches and a height of 14 inches. What is the volume of his drum?

\_\_\_\_\_

- 4) Find the volume of a cylinder. Use ( $\pi = 3.14$ ).



\_\_\_\_\_

- 5) The cylindrical Giant Ocean Tank is 27 feet deep and has a radius of 12.2 feet. Find the volume of the tank.

\_\_\_\_\_

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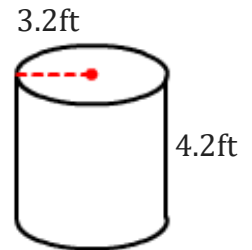
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**Solve the problems.**

- 1) The height and diameter of a cylinder are 2 mm and 6 mm respectively. Find the volume of water the cylinder can hold. Use ( $\pi = 3.14$ ).

$$\underline{56.55 \approx 57 \text{ mm}^3}$$

- 2) Emma uses an empty can for a project, as shown in the picture; she fills it with the water. Find the volume of a can?



$$\underline{135.11 \approx 135 \text{ ft}^3}$$

- 3) Henry is a drummer in his school's band. He carries his drum whenever there is an event in the school. The drum has a diameter of 24 inches and a height of 14 inches. What is the volume of his drum?

$$\underline{6333.45 \approx 6333 \text{ in}^3}$$

- 4) Find the volume of a cylinder. Use ( $\pi = 3.14$ ).



$$\underline{1357.17 \approx 1357 \text{ ft}^3}$$

- 5) The cylindrical Giant Ocean Tank is 27 feet deep and has a radius of 12.2 feet. Find the volume of the tank.

$$\underline{12625.06 \approx 12625 \text{ ft}^3}$$