

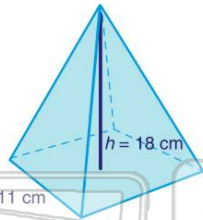


Name _____ Class _____ Date _____

- 1 What is the **volume** of the pyramid shown?

$$V = \frac{1}{3} b^2 h$$

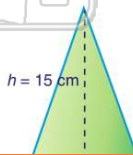
- A 66 cm³
- B 726 cm³
- C 1,089 cm³
- D 2,178 cm³



- 3 What is the **volume** to the nearest tenth of the cone shown?

$$V = \frac{1}{3} \pi r^2 h$$

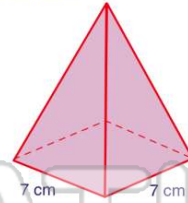
- A 86.0 cm³
- B 133.5 cm³



- 2 If a pyramid has a **volume** of 343 cm³ and a **base** of 7 cm x 7 cm, what is the **height** of the pyramid?

$$V = \frac{1}{3} b^2 h$$

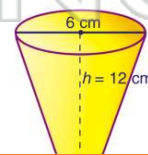
- A 7 cm
- B 18 cm
- C 21 cm
- D 24 cm



- 4 What is the amount of ice cream that can fit in the cone shown to the **nearest hundredth**?

$$V = \frac{1}{3} \pi r^2 h$$

- A 75.36 cm³
- B 113.04 cm³

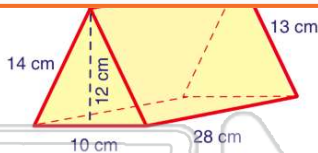


PREVIEW

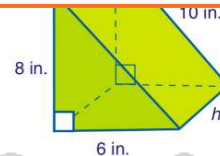
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- 7

- A 1,156 cm
- B 1,166 cm
- C 1,176 cm
- D 1,276 cm



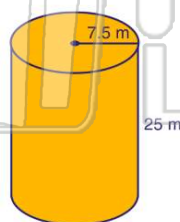
- A 7 in.
- B 6 in.
- C 5 in.
- D 4 in.



- 9 What is the **surface area** of the cylinder shown?

$$SA = 2\pi r^2 + 2\pi rh$$

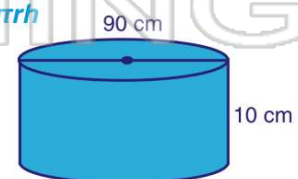
- A 588.75 m
- B 1,203.05 m
- C 1,318.8 m
- D 1,530.75 m



- 10 What is the **surface area** of the cylinder shown?

$$SA = 2\pi r^2 + 2\pi rh$$

- A 3,108.6 cm
- B 3,391.2 cm
- C 15,543 cm
- D 53,694 cm



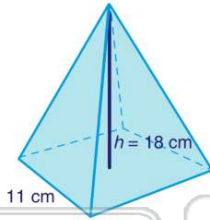


ANSWER KEY

What is the **volume** of the pyramid shown?

$$V = \frac{1}{3} b^2 h$$

- A 66 cm³
- B 726 cm³
- C 1,089 cm³
- D 2,178 cm³

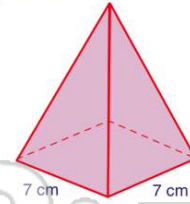


(b)

If a pyramid has a **volume** of **343 cm³** and a **base** of **7 cm x 7 cm**, what is the **height** of the pyramid?

$$V = \frac{1}{3} b^2 h$$

- A 7 cm
- B 18 cm
- C 21 cm
- D 24 cm

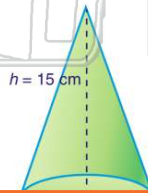


(c)

What is the **volume** to the nearest tenth of the cone shown?

$$V = \frac{1}{3} \pi r^2 h$$

- A 86.0 cm³
- B 133.5 cm³
- C 1,134.3 cm³
- D

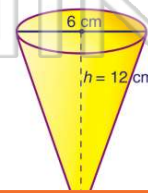


(c)

What is the amount of ice cream that can fit in the cone shown to the nearest hundredth?

$$V = \frac{1}{3} \pi r^2 h$$

- A 75.36 cm³
- B 113.04 cm³
- C 339.12 cm³
- D



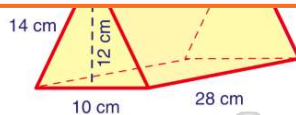
(b)



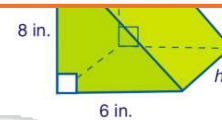
PREVIEW

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- A
- B 1,166 cm
- C 1,176 cm
- D 1,276 cm



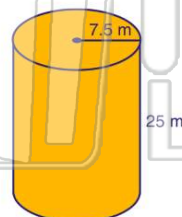
- B 6 in.
- C 5 in.
- D 4 in.



What is the **surface area** of the cylinder shown?

$$SA = 2\pi r^2 + 2\pi rh$$

- A 588.75 m
- B 1,203.05 m
- C 1,318.8 m
- D 1,530.75 m

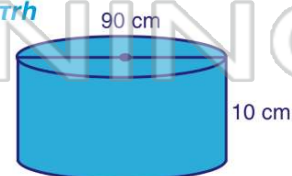


(d)

What is the **surface area** of the cylinder shown?

$$SA = 2\pi r^2 + 2\pi rh$$

- A 3,108.6 cm
- B 3,391.2 cm
- C 15,543 cm
- D 53,694 cm



(c)