

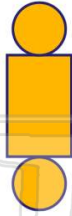


Name _____ Class _____ Date _____

1 The figure shown is the **net** for a cylinder.

True or false?

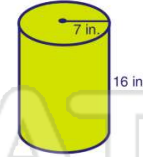
- A true
- B false



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

$$SA = 2\pi rh + 2\pi r^2 \quad \pi = 3.14$$

- A 428.61 in.²
- B 505.54 in.²
- C 791.28 in.²
- D 1,011.08 in.²



3 What is the **surface area** of the can of beans shown?

$$SA = 2\pi rh + 2\pi r^2 \quad \pi = 3.14$$

- A 15.7 in.²



4 What is the difference in **surface area** for the figures shown?

$$SA = 2\pi rh + 2\pi r^2 \quad \pi = 3.14$$

- A 31.4 in.²



5



PREVIEW

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7

- A 10.0 in.
- B 33 in.
- C 136.125 in.
- D 272.25 in.

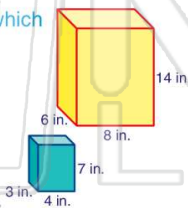


- A 0.125 cm
- B 10.25 cm
- C 20.5 cm
- D 41 cm



9 Using the figures shown, which **statement** is true?
(SA = surface area)

- A SA of small box is 3 times SA of large box.
- B SA of large box is double SA of small box.
- C SA of small box is 4 times SA of large box.
- D SA of large box is 4 times SA of small box.



10 The **ratio of the surface area** of two cylinders is **1:9**. The smaller cylinder has a radius of **3 in.** and a height of **4 in.** What are the dimensions of the larger cylinder?

$$SA = 2\pi rh + 2\pi r^2 \quad \pi = 3.14$$

- A radius = 4 in., height = 7 in.
- B radius = 6 in., height = 8 in.
- C radius = 9 in., height = 12 in.
- D radius = 27 in., height = 36 in.

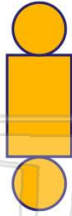


Name _____ Class _____ Date _____

1 The figure shown is the **net** for a cylinder.

True or false?

- A true
- B false

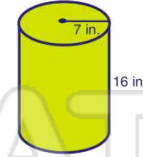


(B)

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

$$SA = 2\pi rh + 2\pi r^2 \quad \pi = 3.14$$

- A 428.61 in.²
- B 505.54 in.²
- C 791.28 in.²
- D 1,011.08 in.²



(D)

3 What is the **surface area** of the can of beans shown?

$$SA = 2\pi rh + 2\pi r^2 \quad \pi = 3.14$$

- A 15.7 in.²



(B)

4 What is the difference in **surface area** for the figures shown?

$$SA = 2\pi rh + 2\pi r^2 \quad \pi = 3.14$$

- A 31.4 in.²



(D)

5



(C)

PREVIEW

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7

- A 16.8 in.
- B 33 in.
- C 136.125 in.
- D 272.25 in.



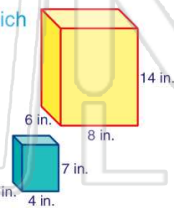
- A 0.125 cm
- B 10.25 cm
- C 20.5 cm
- D 41 cm



(C)

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(SA = surface area)

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(D)

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(C)