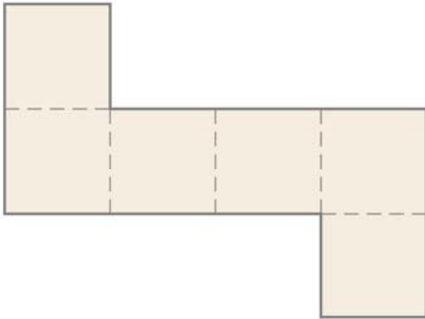


9 TAKS PRACTICE

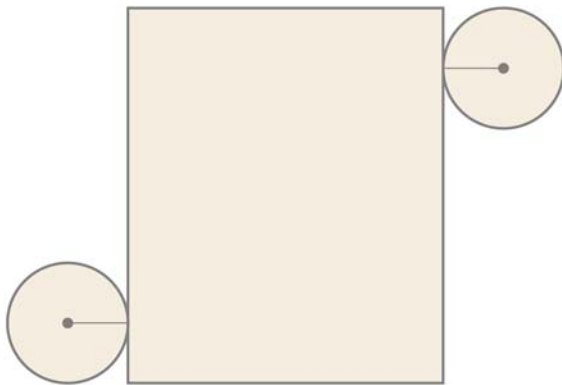
PRACTICE FOR TAKS OBJECTIVE 8

1. The net of a cube is shown below.



Use a ruler to determine the dimensions of the cube to the nearest tenth of a centimeter. Which best represents the volume of this cube to the nearest cubic centimeter?

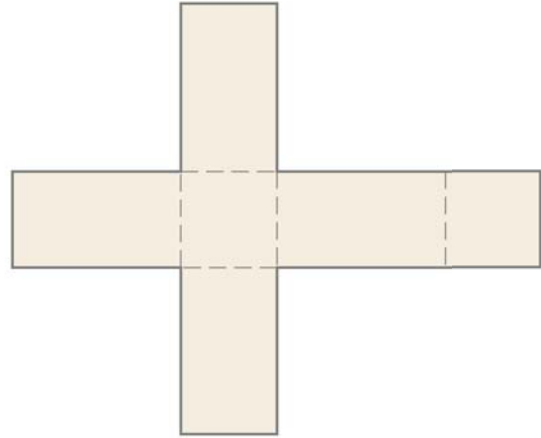
- A 2 cm^3
 - B 3 cm^3
 - C 4 cm^3
 - D 12 cm^3
2. The net of a cylinder is shown below.



Use a ruler to determine the dimensions of the cylinder to the nearest tenth of a centimeter. Which is closest to the total surface area of this cylinder?

- F 8 cm^2
- G 21 cm^2
- H 25 cm^2
- J 42 cm^2

3. The net of a rectangular prism is shown below.

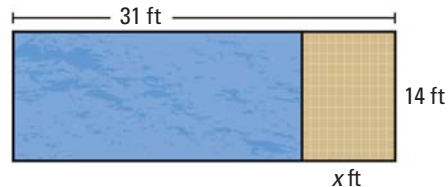


Use a ruler to determine the dimensions of the prism to the nearest $\frac{1}{8}$ inch. Find the surface area of the prism to the nearest square inch.

- A 1 in.^2
- B 2 in.^2
- C 3 in.^2
- D 4 in.^2

MIXED TAKS PRACTICE

4. A room has the dimensions shown below. Part of the room is being carpeted. The remainder of the room is being laid with tile. The area to be tiled is $14x$ square feet. How can the area of the carpeted region be expressed in terms of x ? *TAKS Obj. 2*



- F $31 - 14x$
- G $\frac{31(14)}{x}$
- H $\frac{(31 - x)}{14}$
- J $14(31 - x)$