

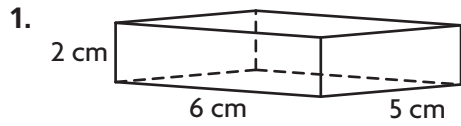
Name _____

Surface Area of Prisms

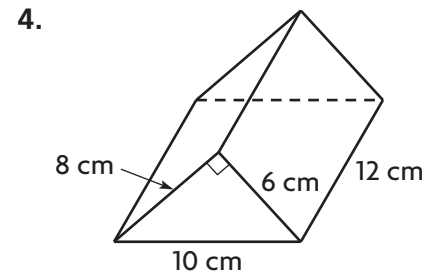
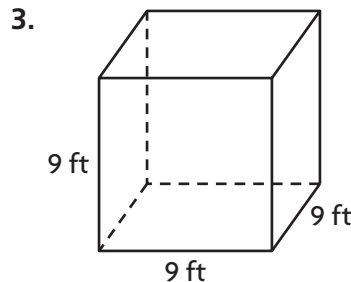
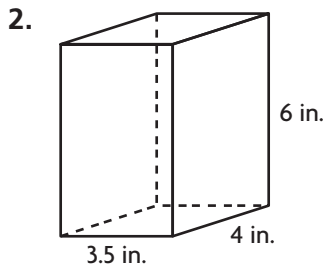
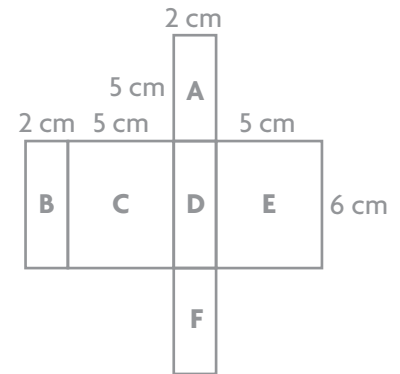


COMMON CORE STANDARD—6.G.4
Solve real-world and mathematical problems involving area, surface area, and volume.

Use a net to find the surface area.



Area of A and F = $2 \times (5 \times 2) = 20 \text{ cm}^2$
 Area of B and D = $2 \times (6 \times 2) = 24 \text{ cm}^2$
 Area of C and E = $2 \times (6 \times 5) = 60 \text{ cm}^2$
 S.A. = $20 \text{ cm}^2 + 24 \text{ cm}^2 + 60 \text{ cm}^2 = 104 \text{ cm}^2$



Problem Solving



5. A shoe box measures 15 in. by 7 in. by $4\frac{1}{2}$ in.
What is the surface area of the box?

6. Vivian is working with a styrofoam cube for art class. The length of one side is 5 inches.
How much surface area does Vivian have to work with?
