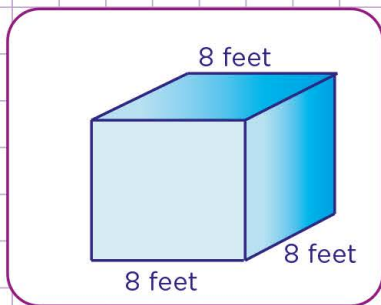


Name: Class:

Surface area of cubes and rectangular prisms

1. Find the surface area of the cube below.



2. Find the surface area of each rectangular prism and cube below. Tick the most correct answer.

a. A cube is 7 feet high. What is the surface area of the cube?

- ☐ 81 feet ☐ 294 feet² ☐ 81 feet² ☐ 294 feet

b. A cube is 5 mm wide. What is the surface area of the cube?

- ☐ 150 mm ☐ 27 mm² ☐ 150 mm² ☐ 9 mm

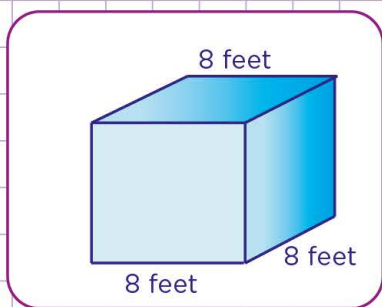
c. A rectangular prism is 8 in long, 2 in wide, and 7 in high. what is the surface area of the rectangular prism?

- ☐ 172 in ☐ 172 in² ☐ 86 in² ☐ 172

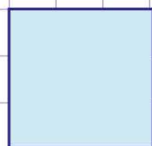
Name: Class:

Surface area of cubes and rectangular prisms

1. Find the surface area of the cube below.



A cube has 6 identical faces.
Each face is a square, so find the the area
of one face.



Area = side x side.
Area = 8 feet x 8 feet.
Area = 64 square feet.

Multiply 64 square feet by 6 to have the surface area.
Surface area = $64 \times 6 = 384$ feet².

So, the surface area of the cube is 384 square feet.

2. Find the surface area of each rectangular prism and cube below. Tick the most correct answer.

a. A cube is 7 feet high. What is the surface area of the cube?

☐ 81 feet

☒ 294 feet²

☐ 81 feet²

☐ 294 feet

b. A cube is 5 mm wide. What is the surface area of the cube?

☐ 150 mm

☐ 27 mm²

☒ 150 mm²

☐ 9 mm

c. A rectangular prism is 8 in long, 2 in wide, and 7 in high. What is the surface area of the rectangular prism?

☐ 172 in

☒ 172 in²

☐ 86 in²

☐ 172