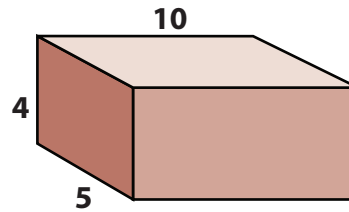


Surface Area: A Rectangular Prism

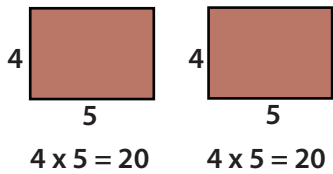
A rectangular prism has six faces. Each face is a rectangle. There are three pairs of identical faces. Find the surface area of each rectangular prism. See the example.

1. Find the area of each pair:

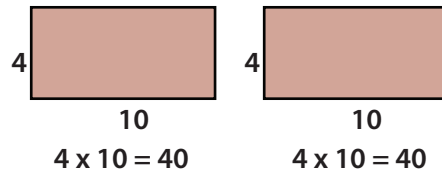
Area of a rectangle = length x width



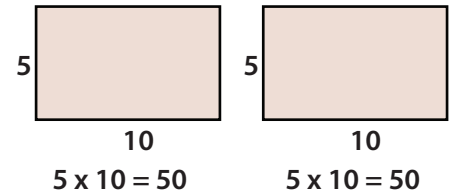
Pair 1



Pair 2



Pair 3



2. Add the area of each face altogether:

$$\text{Surface area} = 20 + 20 + 40 + 40 + 50 + 50 = 220$$

Therefore, the surface area of this cube is 220 sq. inches.

Now, follow these steps to try 2 on your own.

