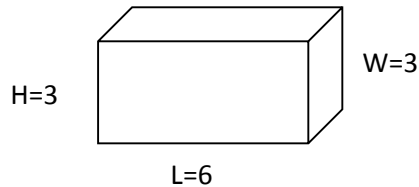## Answer on Question #52643 – Math – Geometry

What is the surface area of the figure with the dimensions of 6, 3, 3?

Solution

In given problem we can assume that we have to determine the surface area of a rectangular prism.

To find the surface area of this rectangular prism, we have to figure out the sum of all of the areas. Here is a formula that we can use to do this.

$$SA = 2 \cdot (W \cdot L + L \cdot H + H \cdot W)$$

where

SA = surface area of a rectangular prism

W = width

L = length

H = height

In our task we have the following given data, W = 3, L = 6, H = 3.

We can substitute the given values into the formula. The length of the prism is 6 inches, the width is 3 inches and the height is 3 inches.

$$SA = 2 \cdot (3 \cdot 6 + 6 \cdot 3 + 3 \cdot 3) = 90 \text{ square inches}$$

Surface area of the figure with the dimensions 6, 3 and 3 is equal to 90 square inches.