

Topic: 1.3
Surface Areas of Right Rectangular Prisms

Name: _____

Class: Math 9

Date: _____

Questions/Main Ideas:

Notes:

Goals:

1. Determine the surface area of composite objects made of cubes and right rectangular prisms.

Surface Area - the total area of the surface of an object.

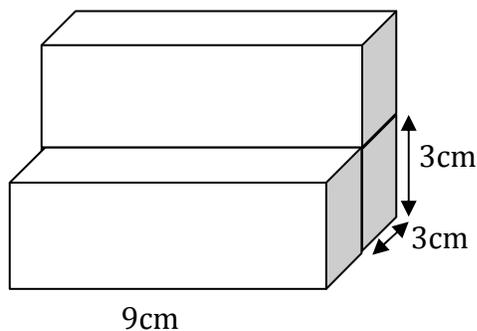
Face – One flat surface of an object.

To determine the surface area of a composite object made from right rectangular prisms we follow the certain steps:

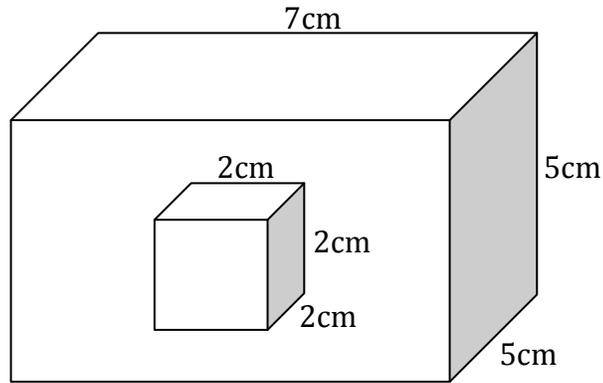
1. Determine how many faces the object has. (Draw a diagram or make a model)
2. Calculate the area of each face. (Remember the formula for area of a rectangle is $Area = length \times width$.)
3. Add the area of each side to determine the area of the entire object

Examples:

1. Determine the area of the following right rectangular prism.



2. Determine the area of the right rectangular prism.



Work with a partner.
You will need linking cubes.

- Use as many cubes as you wish to construct an object then calculate its surface area. Trade objects with your partner and calculate the surface area of your partner's object. Check your answer with your partner.