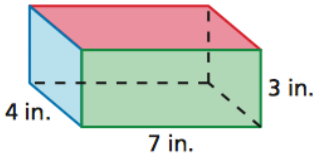
8.2 SURFACE AREA OF PRISMS
Guided Notes

The **surface area** of a solid is the of the of of its . You can use a representation of a solid, called a **net**, to find the of the solid. Surface area is measured in *units.*

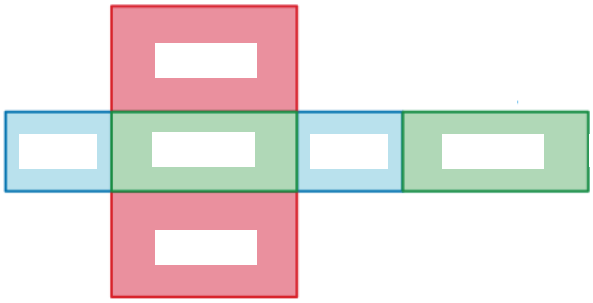
EXAMPLE 1 Finding the Surface Area of a Rectangular Prism

Find the surface area of the rectangular prism.

Use a to find the of each



Top:
Bottom:
Front:
Back:
Side:
Side:



Find the of the of the

Surface Area = + + + + +

S = + + + + +

S =

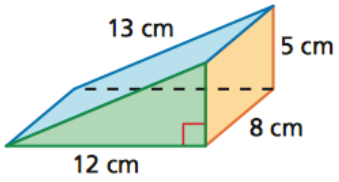
∴ So, the surface area is

EXAMPLE 2 Finding the Surface Area of a Triangular Prism

2

Find the surface area of the triangular prism.

Use a to find the of each



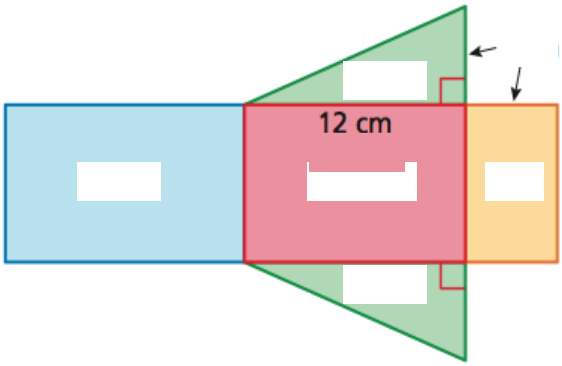
Bottom:

Front:

Back:

Side:

Side:



Find the of the of the

Surface Area = + + + +

S = + + + +

S =

∴ So, the surface area is

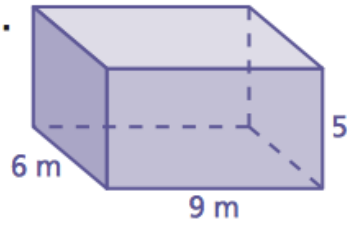
Remember

The area A of a triangle with base b and height h is $A = \frac{1}{2}bh$.

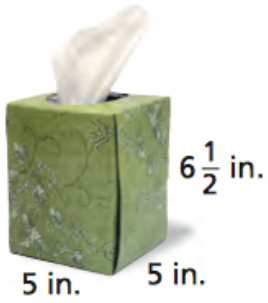
On Your Own 8.2

Find the surface area of the rectangular prism.

1.

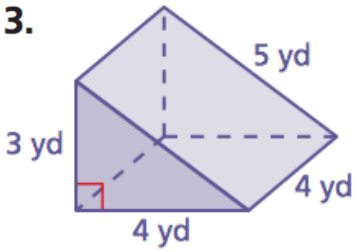


2.



Find the surface area of the triangular prism.

3.



4.