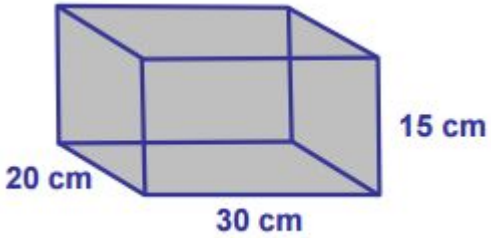
Prism and Surface Area

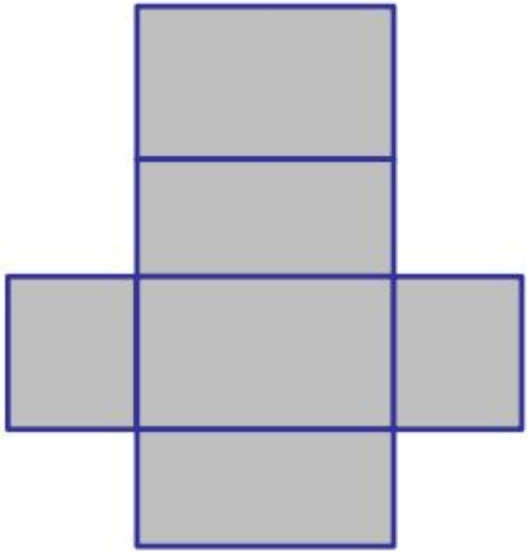
Whenever you cover an object, the amount of material needed to cover the object is considered the surface area.

Rectangular Based Prism

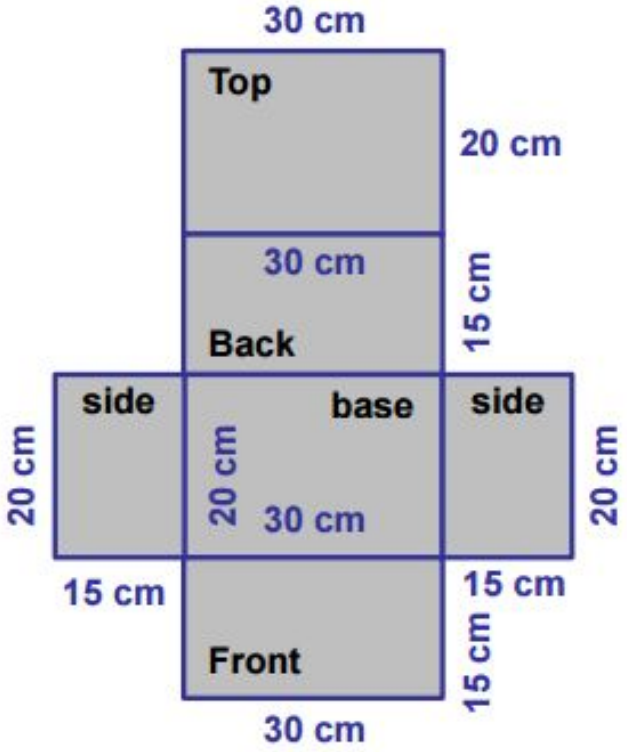
-In order to calculate the surface area of a prism, we will use a net to break down the shape into its pieces.

-The area of each piece will be calculated and then added to the other pieces.

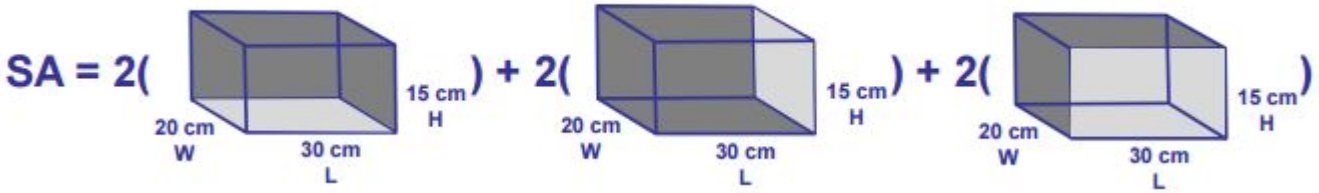




Now we can see that a rectangular prism is just made up of 6 rectangles.

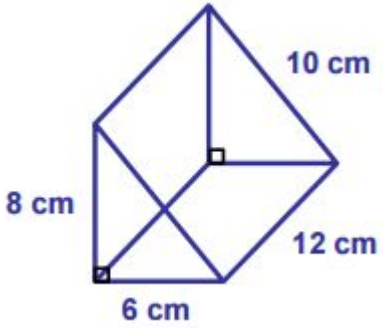


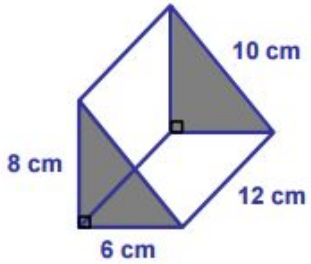
Your calculations will represent this:

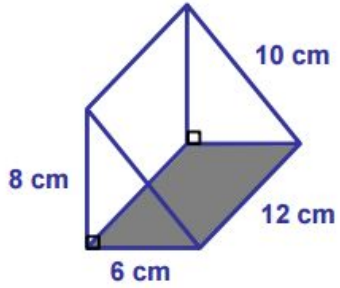


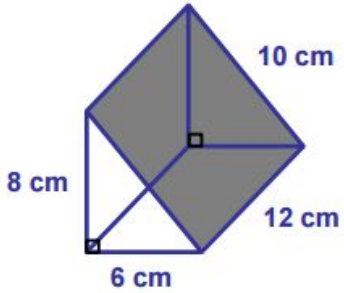
Calculations:

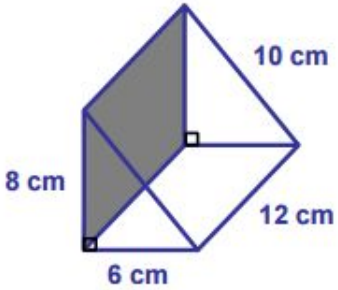
Triangular Based Prism

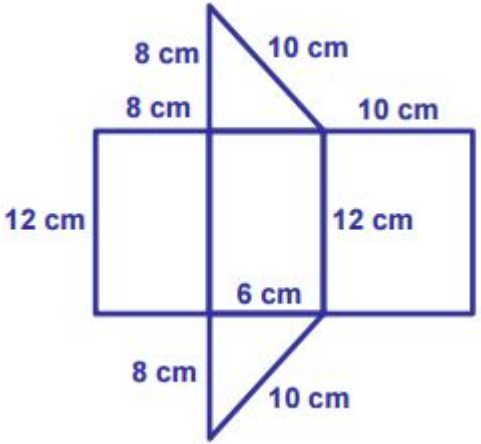




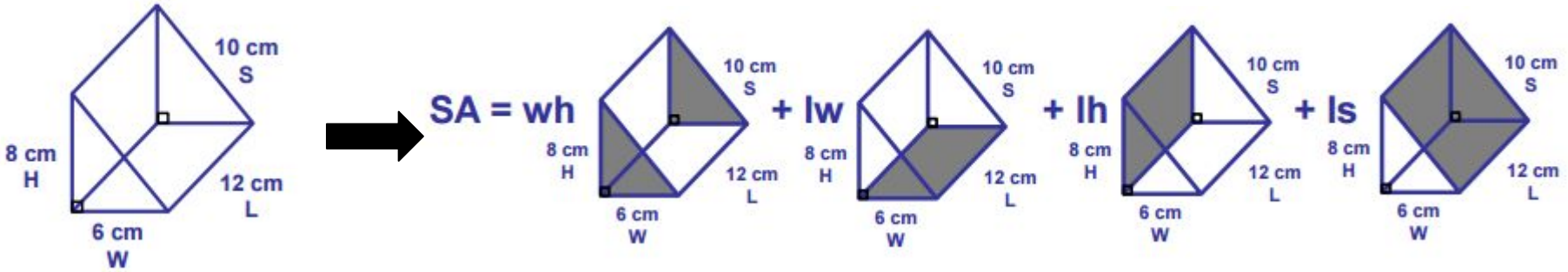






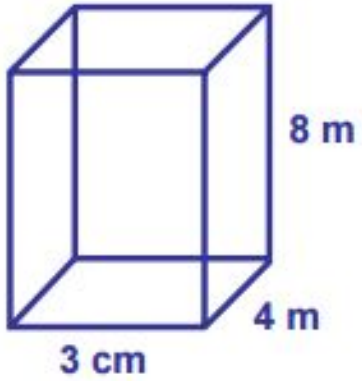


To find the surface area...



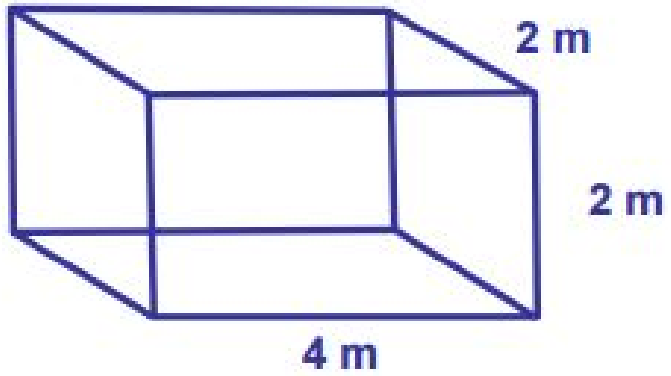
Example 1.

Draw and label a net to represent the rectangular prism below.



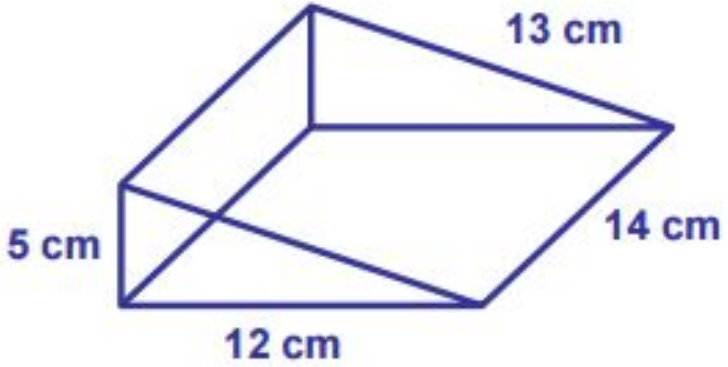
Example 2.

Calculate the surface area of the rectangular prism.



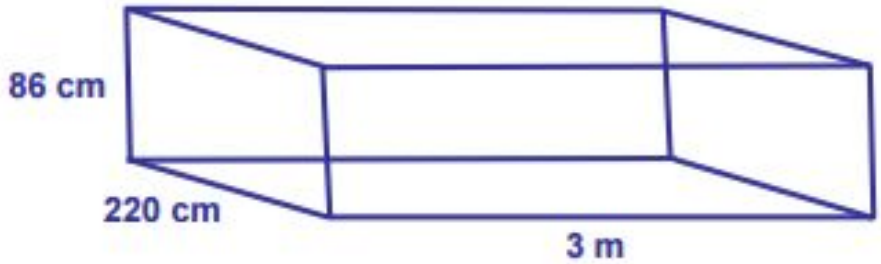
Example 3:

Calculate the total surface area of the triangular prism.



Example 4:

Calculate the Surface Area of the following:



HW

P. 187 # 1, 2, 3a/b/

p.191 # 9a/b, 10 a,b,c