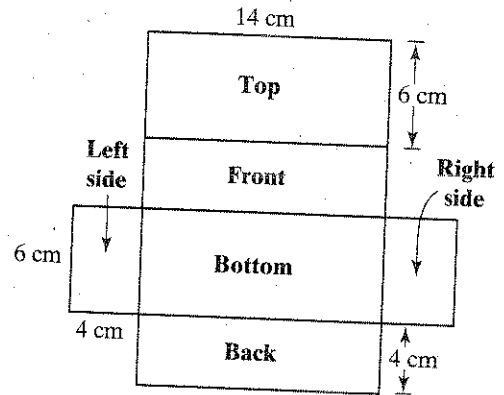
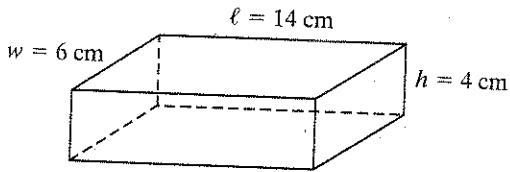


# Reteaching 9-8

## Surface Areas of Prisms

The *surface area* of a rectangular prism is the sum of the areas of the faces. You can use nets to find surface area.

Find the surface area of the prism.



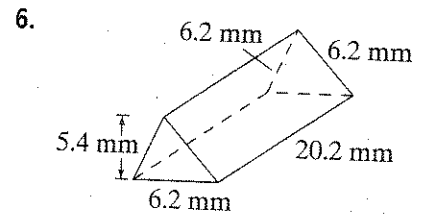
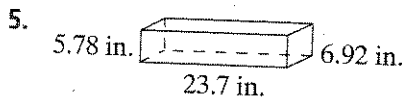
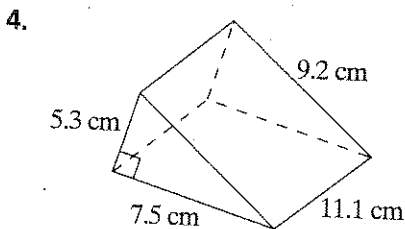
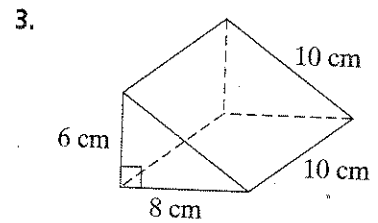
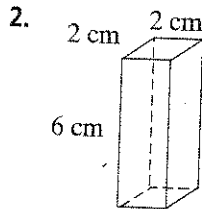
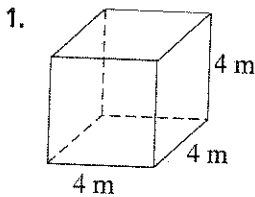
area of top = area of bottom  
 area of front = area of back  
 area of right side = area of left side

- ① Find the area of the top.  
 $A = \ell \times w$   
 $= 14 \times 6$   
 $= 84 \text{ cm}^2$
- ② Find the area of the front.  
 $A = \ell \times h$   
 $= 14 \times 4$   
 $= 56 \text{ cm}^2$
- ③ Find the area of the right side.  
 $A = w \times h$   
 $= 6 \times 4$   
 $= 24 \text{ cm}^2$

- ④ Add.  
 $84 + 84 + 56 + 56 + 24 + 24 = 328$

The surface area of the prism is 328 square centimeters.

Find the surface area of each prism.



All rights reserved.

© Pearson Education, Inc., publishing as Pearson Prentice Hall.