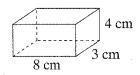
## **Practice 9-8**

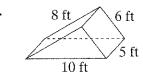
**Surface Areas of Prisms** 

Draw a net for each prism.

1.



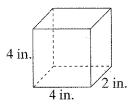
2.



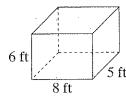
Find the surface area of each figure to the nearest whole number.

3.

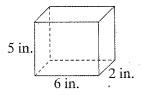
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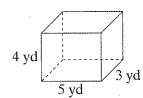
4.



5.



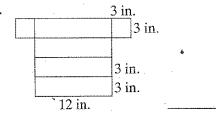
6.



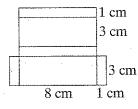
Find the surface area of the rectangular prism with the given net.

7.

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8.



Left

side

4 cm

## **Reteaching 9-8**

6 cm

4 4 cm

Right

side

1

Top

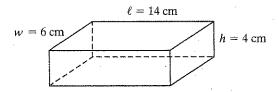
Front

Bottom

Back

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 cm<sup>2</sup>

3 Find the area of the right side.

6 cm

$$A = w \times h$$

$$= 6 \times 4$$

$$= 24 \text{ cm}^2$$

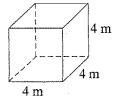
4 Add.

84 + 84 + 56 + 56 + 24 + 24 = 328

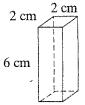
The surface area of the prism is 328 square centimeters.

## Find the surface area of each prism.

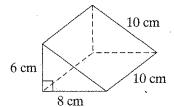
1.



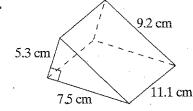
2.



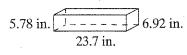
3.



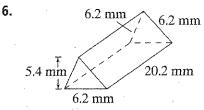
4.



5.



e



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