HCCELERATED

CONAIL PORES)

Find the lateral surface area of a cube that has a height of 6 m.

$$36 \times 6 = 216$$

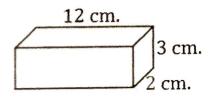
 $216 - 72 = 144$

*Lateral Surface area all the sides, not include the base & the top.

Find the lateral surface area.
(Not the shaded sides)

$$2(6\times4) + 2(4\times17) = 48 + 136 =$$

Find the total surface area.



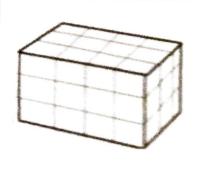
3
$$2(12\times3) + 2(3\times2) + 2(12\times2) = 72 + 12 + 18 = 132$$

184

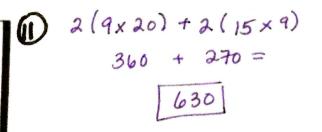
Find the surface area of a rectangular prism if the length is 5.2 cm, the width is 8.3 cm, and the height is 9.1 cm.

$$2(5.2 \times 8.3) + 2(8.3 \times 9.1) + 2(5.2 \times 9.1) = 86.32 + 151.06 + 94.64 = 332.02 \approx 332$$

Find the total surface area.



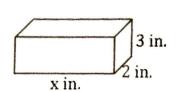
Bob is painting a room that is 20 ft. long, 15 ft. wide, and 9 ft. high. How many square feet is Bob going to paint?



* Remember: Youdon't paint the floor!

The total area of the rectangular prism is 112 in². What is the value of x?

(2)



$$2(3 \times 2) + 2(2x) + 2(3x) = 112$$

$$2(6) + 4x + 6x = 112$$

$$-12 + 10x = 112$$

$$-12 - 100 = 100$$

$$10x = 100 = 100$$

Find the lateral surface area.

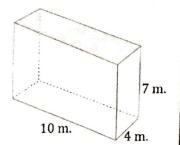
(not the shaded Sides)

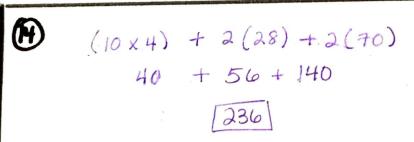
3.7 cm.

Find the surface area of the box excluding the shaded base.

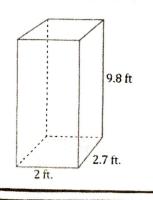
2.1 cm.

5.4 cm.

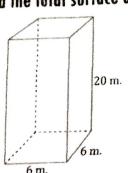




Find the lateral surface area.



Find the total surface area.



 $2(20 \times 6) + 2(6 \times 6) + 2(20 \times 6) =$ 240 + 72 + 240 = $\boxed{552}$

$$Length = 29$$

$$Width = 3.5$$

$$Height = 7$$

Find the total surface area of the rectangular prism.

1

$$2(29 \times 3.5) + 2(29 \times 7) + 2(3.5 \times 7) =$$

$$203 + 406 + 49 = 658$$

Cara bakes a rectangular cake that is 9 inches wide, 13 inches long, and 2 inches high. She removes the cake from the pan to frost it. How many square inches of frosting does she need?

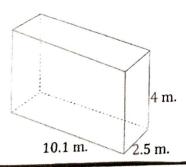
$$2(9 \times 13) + 2(9 \times 2) + 2(13 \times 2) =$$

$$234 + 36 + 52 = 322$$

$$322 - bottom(117) = 205$$

* Remember: you do not frost the bottom of a cal

Find the total surface area.



$$2(10.1 \times 2.5) + 2(2.5 \times 4) + 2(10.1 \times 4)$$

$$50.5 + 20 + 80.8$$

$$151.3$$

The surface area of a box is 592 meters squared. The base of the box is 12 meters by 10 meters. What is the height of the box?

$$592 = 2(12 \times 10) + 2(10 \times) + 2(12 \times)$$

$$592 = 2(120) + 20 \times + 24 \times$$

$$592 = 240 + 44 \times$$

$$-240 - 240$$

$$352 = 44 \times$$

$$X = 8$$