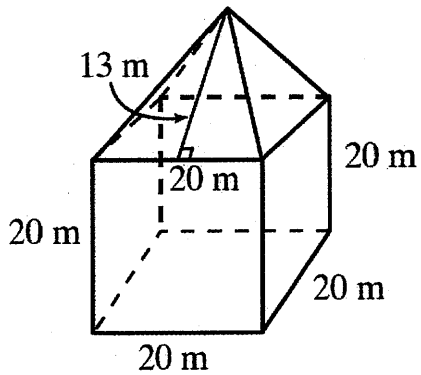
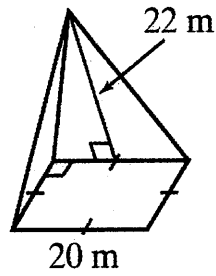
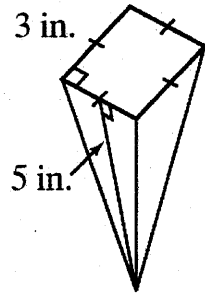


Name: \_\_\_\_\_

Date: \_\_\_\_\_ Period: \_\_\_\_\_

### Wrapping Up Surface Area

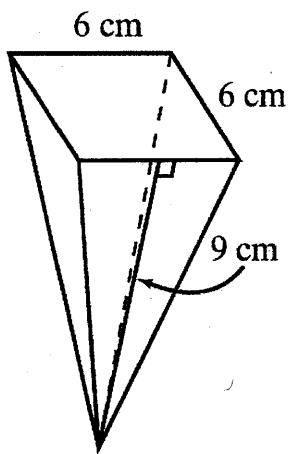
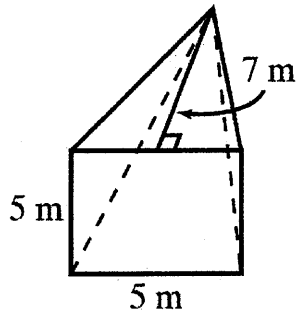
Find the surface area of each three-dimensional figure. Show all steps and work to support your answers.



Name: \_\_\_\_\_

Date: \_\_\_\_\_

Period: \_\_\_\_\_

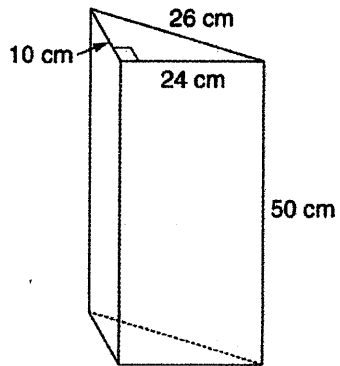
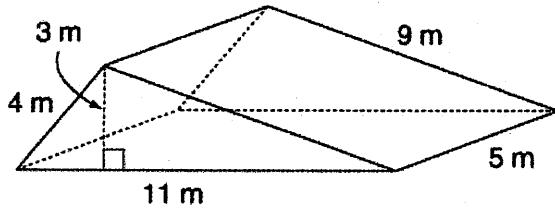


If the length, width, and height of a rectangular prism are 4 yards, 8 yards, and 11 yards respectively, what would be the surface area?

Name: \_\_\_\_\_

Date: \_\_\_\_\_

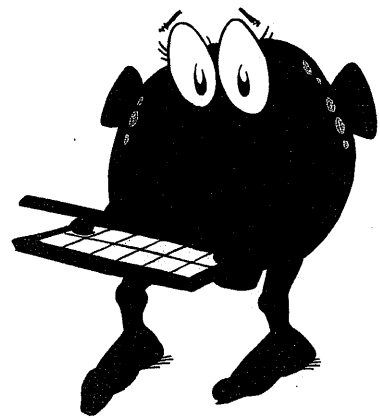
Period: \_\_\_\_\_



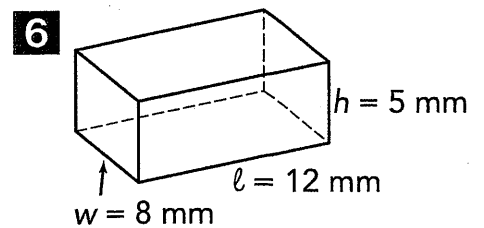
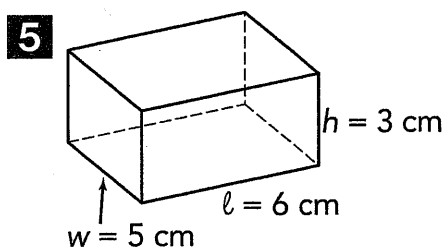
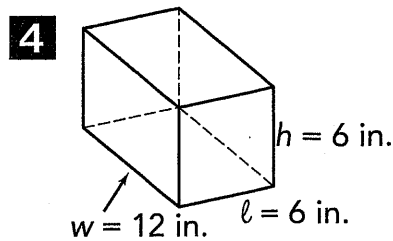
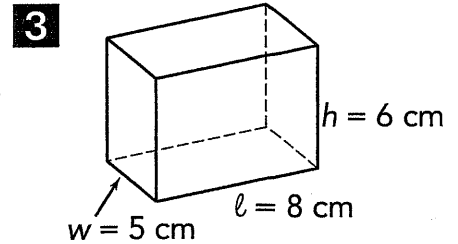
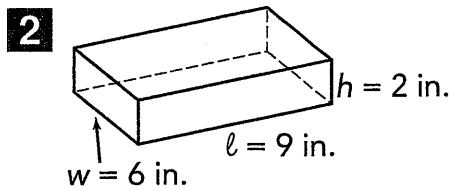
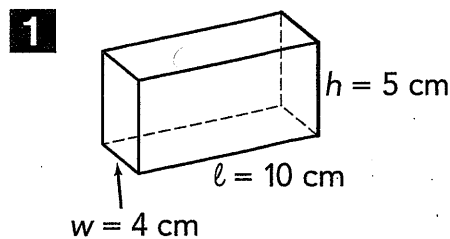
Chase is trying to mail an umbrella in a rectangular box. If the length and width of the rectangle are 4 inches and 6 inches respectively, and the umbrella is 15 inches long, how much cardboard is needed to enclose his umbrella?

# On the Surface

Here is a formula for finding the surface area of a rectangular prism:  
 $SA = 2lw + 2lh + 2wh$   
 where  $l$  = length,  $w$  = width, and  $h$  = height.



Find the surface area of the rectangular prism.



**7**  $l = 8 \text{ mm}, w = 8 \text{ mm}, h = 8 \text{ mm}$

**8**  $l = 10 \text{ in.}, w = 8 \text{ in.}, h = 4 \text{ in.}$

**9**  $l = 7 \text{ in.}, w = 4 \text{ in.}, h = 3 \text{ in.}$

**10**  $l = 8 \text{ cm}, w = 3 \text{ cm}, h = 4 \text{ cm}$

**11**  $l = 9 \text{ mm}, w = 6 \text{ mm}, h = 3 \text{ mm}$

**12**  $l = 14 \text{ mm}, w = 3 \text{ mm}, h = 3 \text{ mm}$

## Answer Box

<b>A</b> 122 in. <sup>2</sup>	<b>B</b> 236 cm <sup>2</sup>	<b>C</b> 360 in. <sup>2</sup>	<b>D</b> 136 cm <sup>2</sup>	<b>E</b> 168 in. <sup>2</sup>	<b>F</b> 392 mm <sup>2</sup>
<b>G</b> 198 mm <sup>2</sup>	<b>H</b> 126 cm <sup>2</sup>	<b>I</b> 384 mm <sup>2</sup>	<b>J</b> 220 cm <sup>2</sup>	<b>K</b> 304 in. <sup>2</sup>	<b>L</b> 186 mm <sup>2</sup>



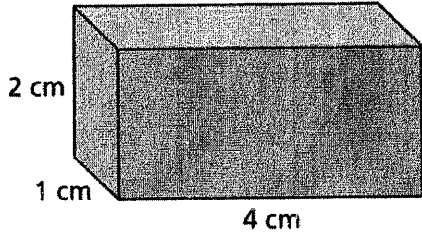
Name: \_\_\_\_\_

Date: \_\_\_\_\_ Period: \_\_\_\_\_

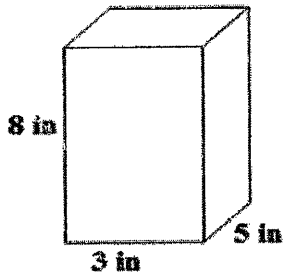
**Finding Surface Area of Rectangular Prisms**

Find the surface area of the following prisms. Be sure to show all steps and work to support your final answers.

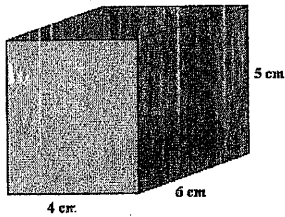
1.



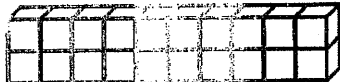
2.



3.



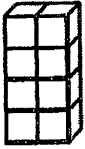
4.



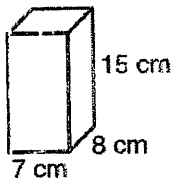
Name: \_\_\_\_\_

Date: \_\_\_\_\_ Period: \_\_\_\_\_

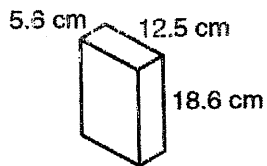
5.



6.



7.



8.

