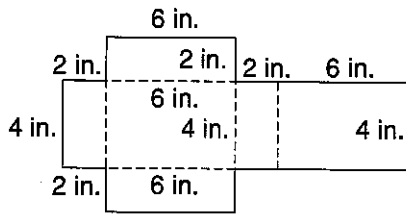


**LESSON** **Practice A**  
**10-4** **Surface Area of Prisms and Cylinders**

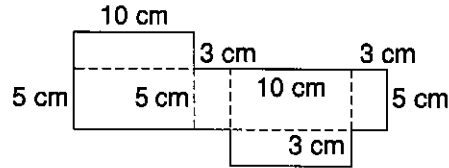
Find the surface area of the prism formed by each net. Choose the letter for the best answer.

1.



- A  $36 \text{ in}^2$                       C  $48 \text{ in}^2$   
 B  $44 \text{ in}^2$                       D  $88 \text{ in}^2$

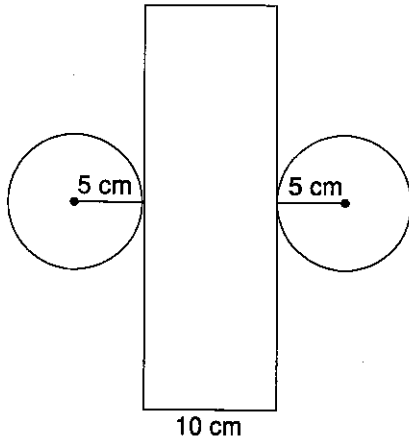
2.



- F  $95 \text{ cm}^2$                       H  $190 \text{ cm}^2$   
 G  $100 \text{ cm}^2$                       J  $380 \text{ cm}^2$

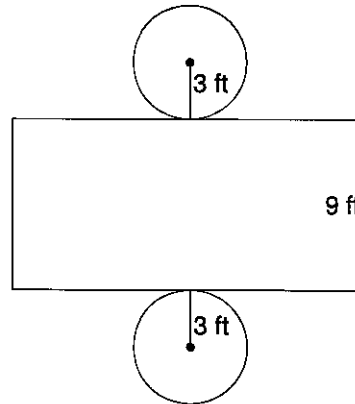
Find the surface area of the cylinder formed by each net to the nearest whole number. Choose the letter for the best answer.

3.



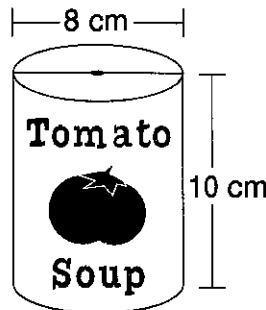
- A  $157 \text{ cm}^2$                       C  $471 \text{ cm}^2$   
 B  $314 \text{ cm}^2$                       D  $942 \text{ cm}^2$

4.



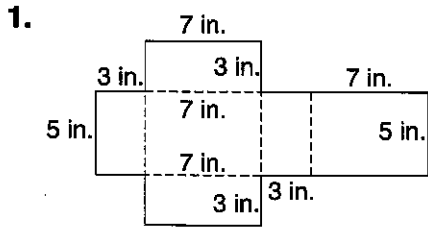
- F  $226 \text{ ft}^2$                       H  $113 \text{ ft}^2$   
 G  $170 \text{ ft}^2$                       J  $57 \text{ ft}^2$

5. A soup can has a diameter of 8 centimeters and a height of 10 centimeters. The label for the can covers the entire side of the can. About how many square centimeters of paper are needed for the label? Round to the nearest whole number.

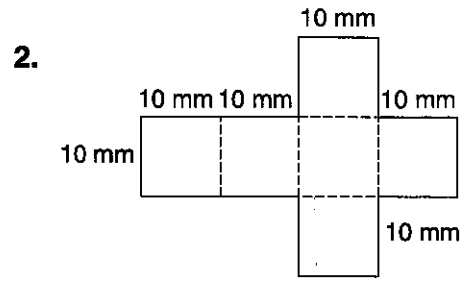


**LESSON** **Practice B**  
**10-4** *Surface Area of Prisms and Cylinders*

Find the surface area of the prism formed by each net to the nearest tenth.

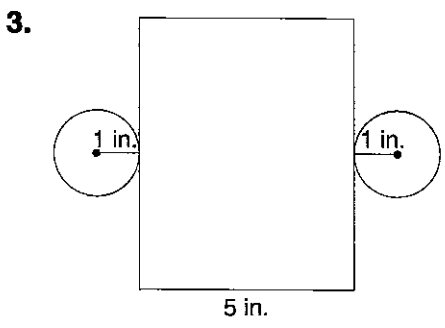


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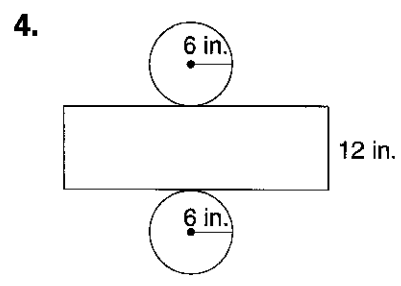


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Find the surface area of the cylinder formed by each net to the nearest tenth.

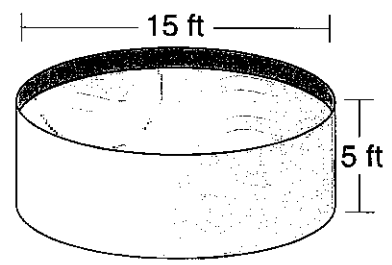


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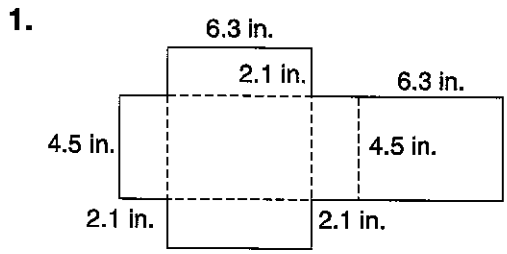
5. Mr. Wang has a circular swimming pool with a diameter of 15 feet and a height of 5 feet. Mr. Wang buys a liner to cover the bottom and the sides of the pool. To the nearest square foot, about how many square feet of liner should Mr. Wang buy in order to have enough liner? Explain your answer.



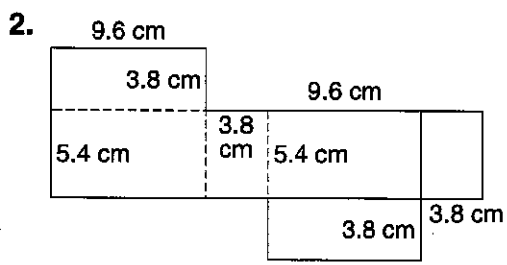
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**LESSON** **Practice C**  
**10-4** *Surface Area of Prisms and Cylinders*

Find the surface area of the prism formed by each net to the nearest tenth.

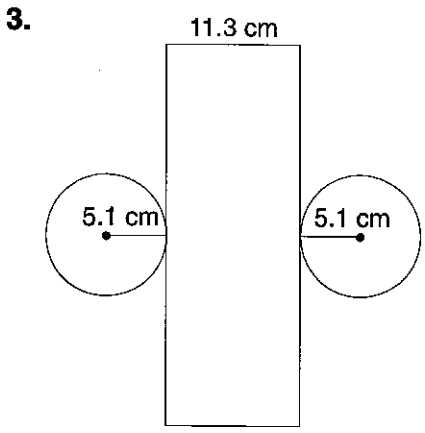


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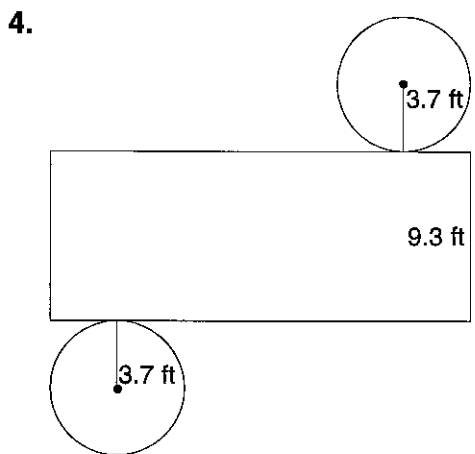


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Find the surface area of the cylinder formed by each net to the nearest tenth.

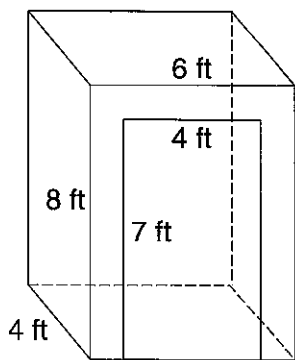


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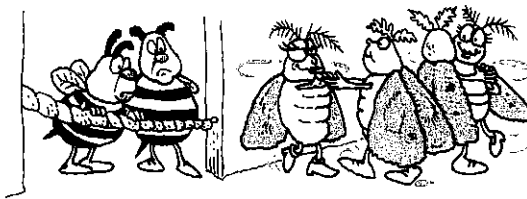
5. The diagram shows a closet that is shaped like a rectangular prism. Judith is lining the inside of the closet, including the floor, with cedar. Judith is not lining the doorway. If cedar costs \$4.00 per square foot, what will the total cost of the cedar be?



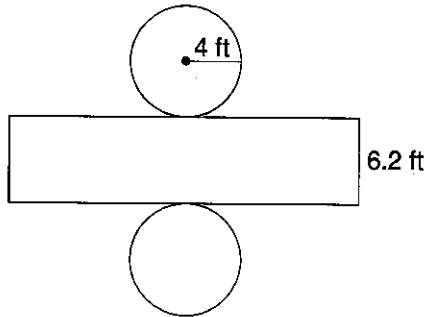
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**LESSON 10-4** **Puzzles, Twisters & Teasers**  
**Bee a Math Marvel!**

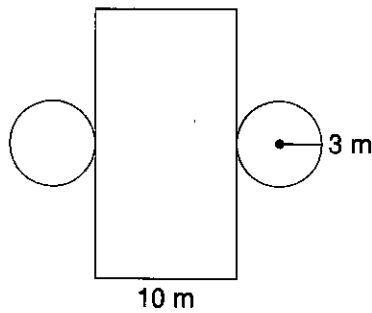
Find the surface area of each figure below. Round to the nearest tenth. Use your answers to solve the riddle.



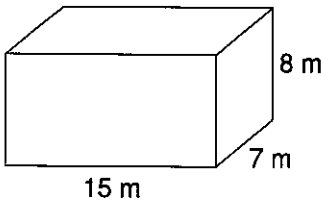
**L** \_\_\_\_\_



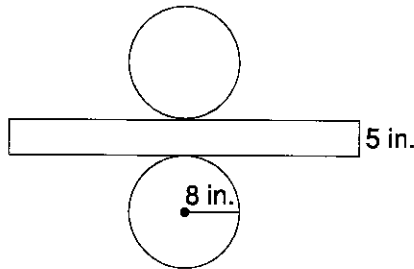
**B** \_\_\_\_\_



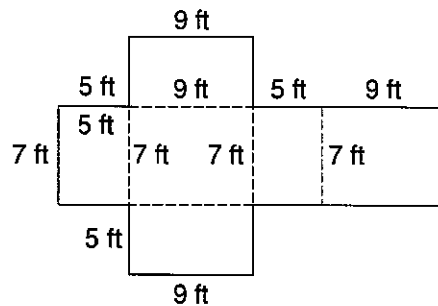
**A** \_\_\_\_\_



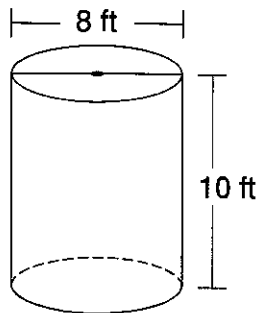
**H** \_\_\_\_\_



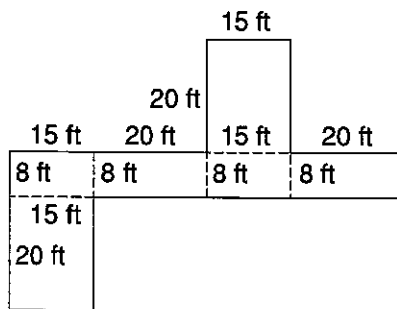
**T** \_\_\_\_\_



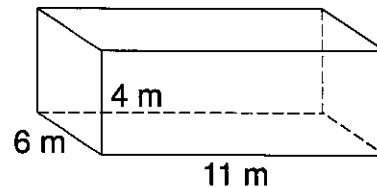
**O** \_\_\_\_\_



**S** \_\_\_\_\_



**I** \_\_\_\_\_



**Why couldn't the bee go to the dance?**

**W** \_\_\_\_\_

**M** \_\_\_\_\_

268 286

562 1,160 562

351.7 286 653.1 244.9 562 256.2 256.2