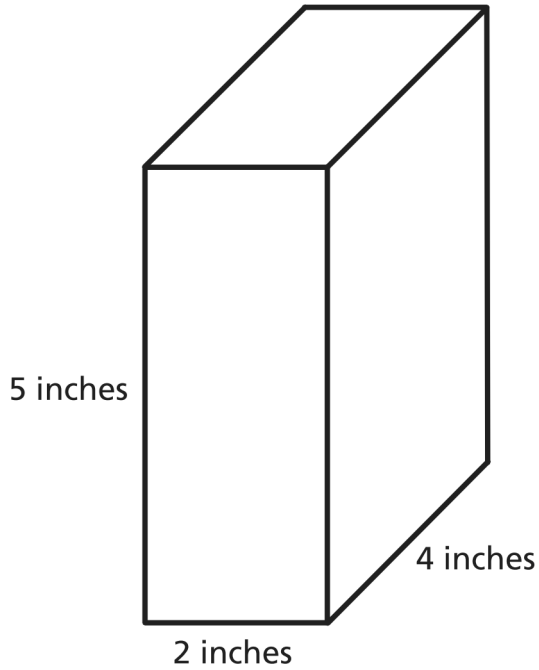


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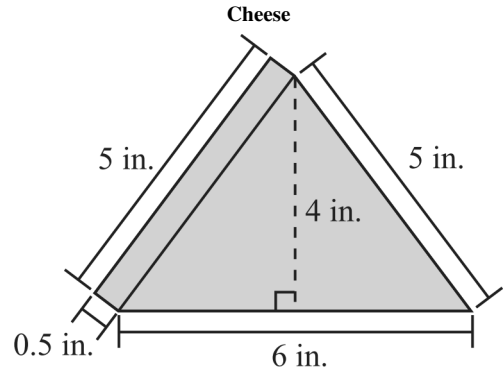
1. Look at the right rectangular prism below.



What is the surface area, in square inches, of the prism?

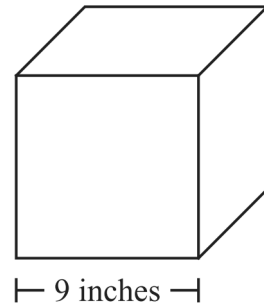
- A. 38 square inches      B. 40 square inches  
 C. 60 square inches      D. 76 square inches
2. Each edge of a cube is 3 inches long. What is the surface area of the cube?
- A. 54 square inches      B. 36 square inches  
 C. 27 square inches      D. 18 square inches

3. A piece of cheese is in the shape of a triangular prism. The dimensions of the cheese are shown below.



What is the surface area of the piece of cheese?

- A. 14.5 square inches      B. 20.5 square inches  
 C. 29 square inches      D. 32 square inches
4. Matthew made a wooden cube that has an edge length of 9 inches, as shown below.

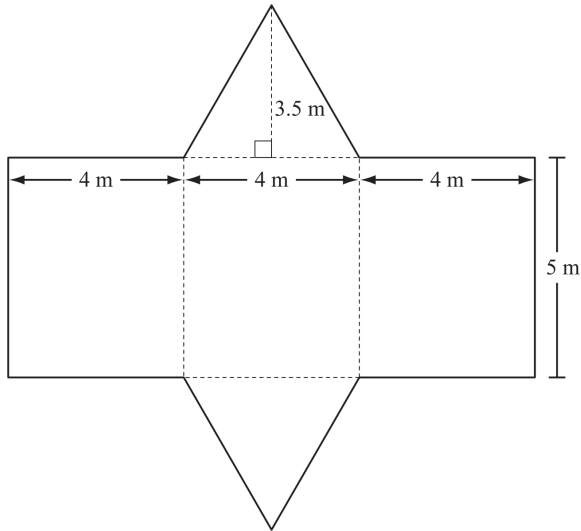


He painted half the faces of the cube red and the remaining faces yellow.

What is the surface area of the faces Matthew painted red?

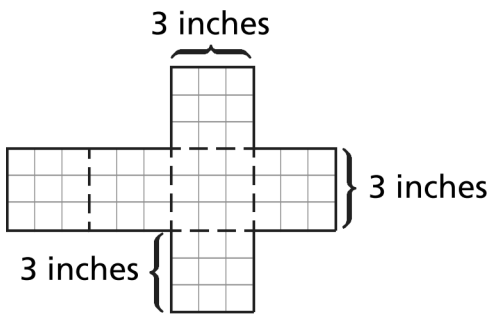
- A. 162 square inches      B. 243 square inches  
 C. 365 square inches      D. 486 square inches

5. The net of a triangular prism and its dimensions are shown below.



What is the total surface area of the prism?

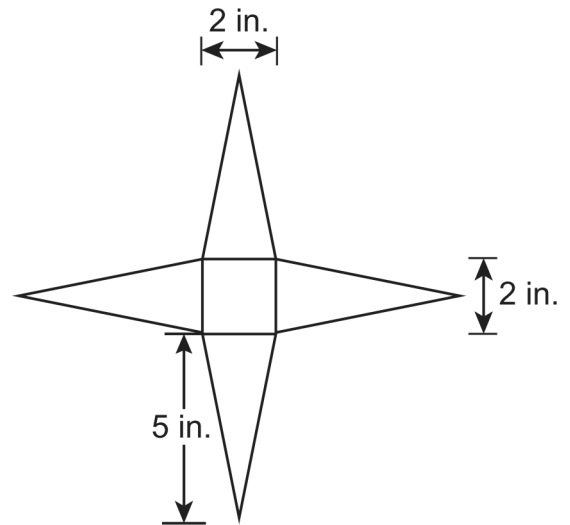
- A.  $54 \text{ m}^2$     B.  $60 \text{ m}^2$     C.  $74 \text{ m}^2$     D.  $76 \text{ m}^2$
6. Use the figure below to answer the question.



Jason cut out the unfolded cube shown above. What is the total surface area of the cube?

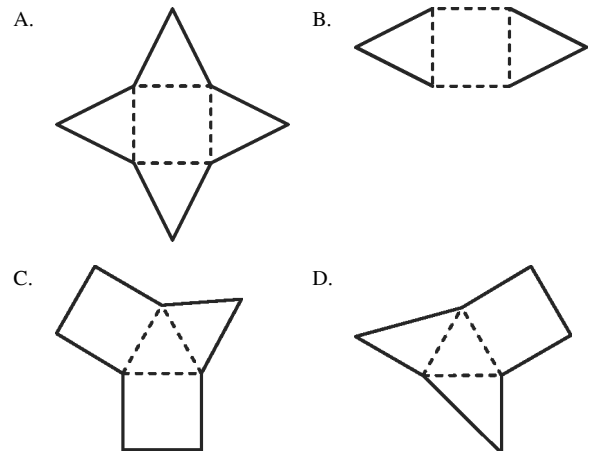
- A. 27 square inches    B. 36 square inches  
C. 45 square inches    D. 54 square inches

7. Will is making a square pyramid out of cardboard. He drew a diagram of the square pyramid he is making as shown below.

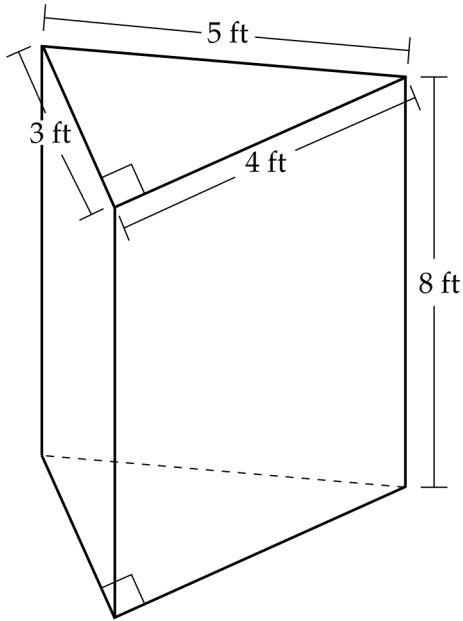


Based on Will's diagram, how many square inches of cardboard make up his square pyramid?

- A. 9 square inches    B. 20 square inches  
C. 24 square inches    D. 28 square inches
8. Which figure can form a pyramid when folded on the dotted lines without overlapping?



9. Monique plans to cover the three rectangular faces of the right triangular prism shown below with fabric.

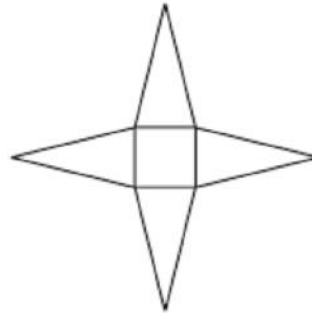


*Note:* The figure is not drawn to scale.

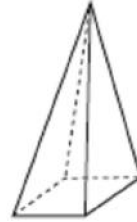
How many square feet of fabric will Monique need to cover the rectangular faces of the prism?

- A. 56 square feet                      B. 72 square feet  
 C. 96 square feet                      D. 108 square feet

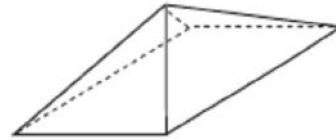
10. Which object is represented by the following net?



A.



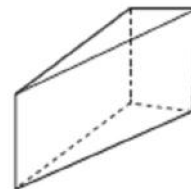
B.



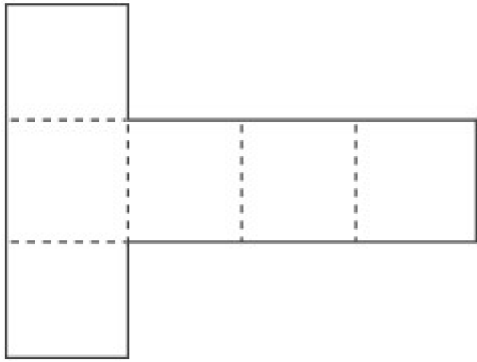
C.



D.

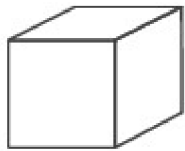


11. The pattern is for a solid shape.



If you cut it out and folded it along the dotted lines, what shape could you make?

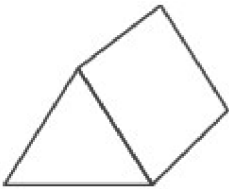
A.



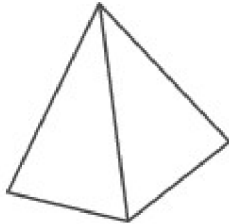
B.



C.



D.

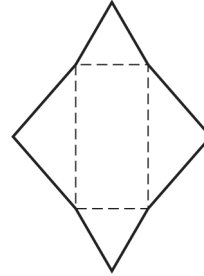


12. Nathan folded and taped a piece of cardboard to form the figure shown below.



Which of the following nets shows the unfolded figure?

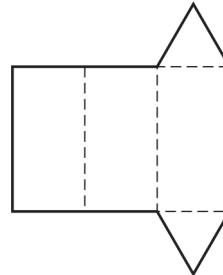
A.



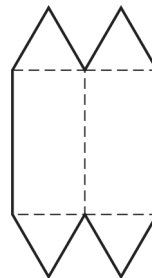
B.



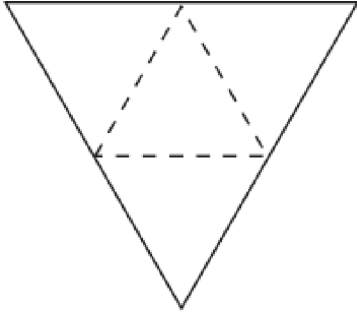
C.



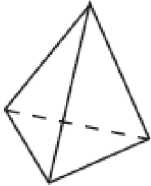
D.



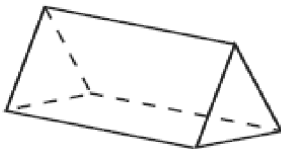
13. Which three-dimensional solid is made when the diagram below is folded along its dashes?



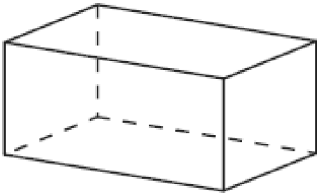
A.



B.



C.



D.

