





Part 1: Multiple Choice: Place the letter corresponding to the best response in the space provided.

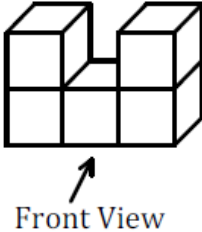
___1. What is the top view of the object?

A. 

B. 


C. 

D. 



___2. What is the front view after this object is rotated horizontally 90° clockwise about the axis shown?

A. 

B. 

C. 

D. 



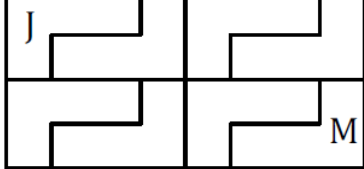
___3. Under what combination of transformations will Shape M be the image of Shape J?

A. reflection, rotation

B. reflection, translation

C. translation, reflection

D. translation, rotation



___4. If this polygon is tessellated, what is the sum of the angles where the vertices meet?

A. 90°

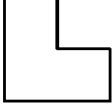
B. 180°

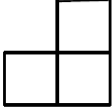
C. 270°

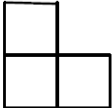
D. 360°

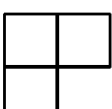


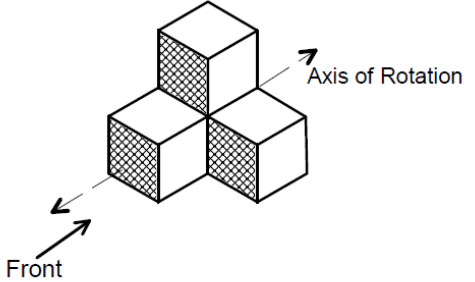
___5. Which is the front view of the object after it has been rotated 90° counter clockwise about the horizontal axis shown?

A. 

B. 

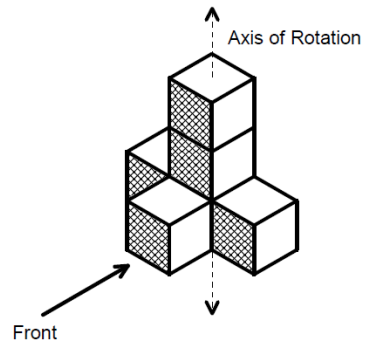
C. 

D. 



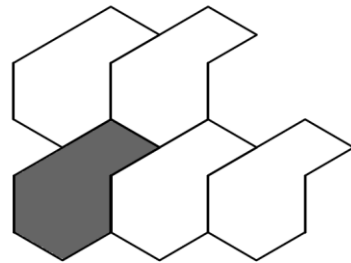
___6. Which is the left side view of the object after it has been rotated 180° horizontally about the vertical axis shown?

- A.
- B.
- C.
- D.



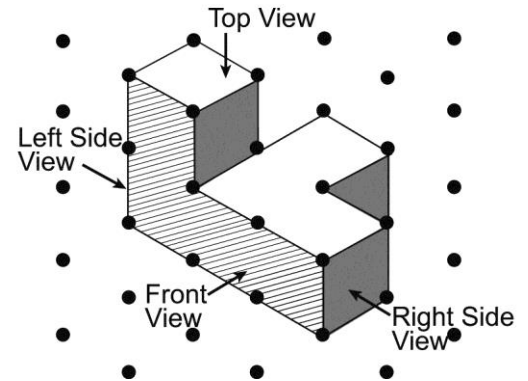
___7. What transformation forms this tessellation?

- A. Dilatation
- B. Reflection
- C. Rotation
- D. Translation



___8. Which represents the **right side** view of the object shown?

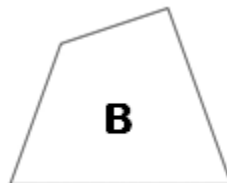
- A)
- B)
- C)
- D)



___9. Which represents the **top** view of the object from question 8?

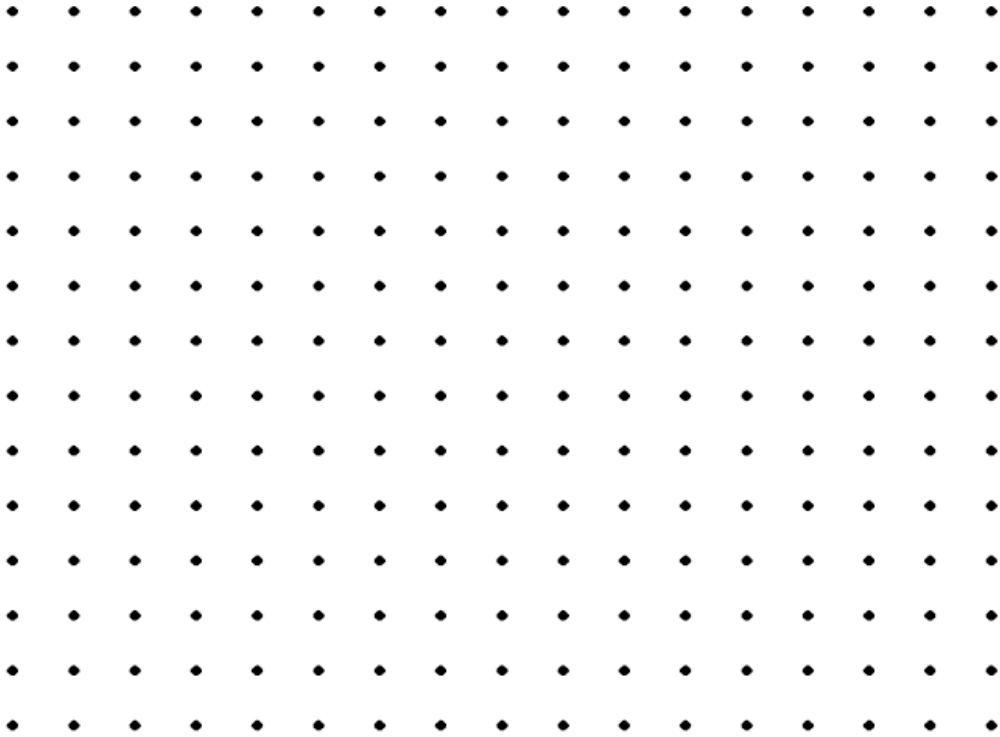
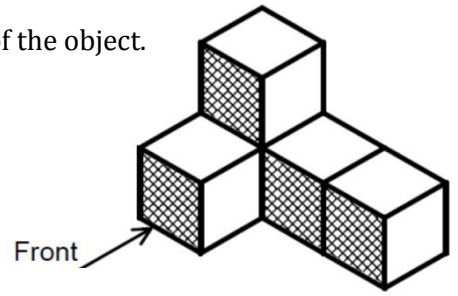
- A)
- B)
- C)
- D)

___10 Which of these polygons tessellate?

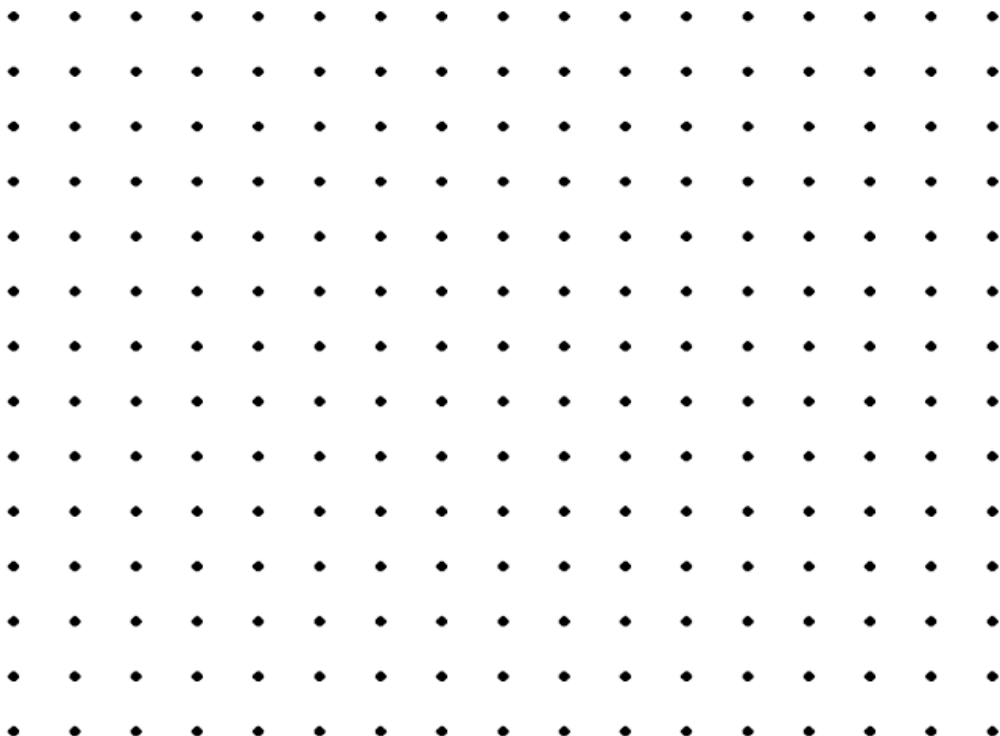
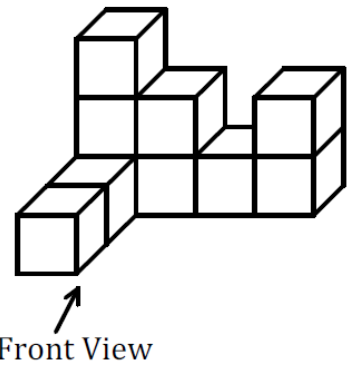


- A) A only
- B) B only
- C) C only
- D) Both A and B

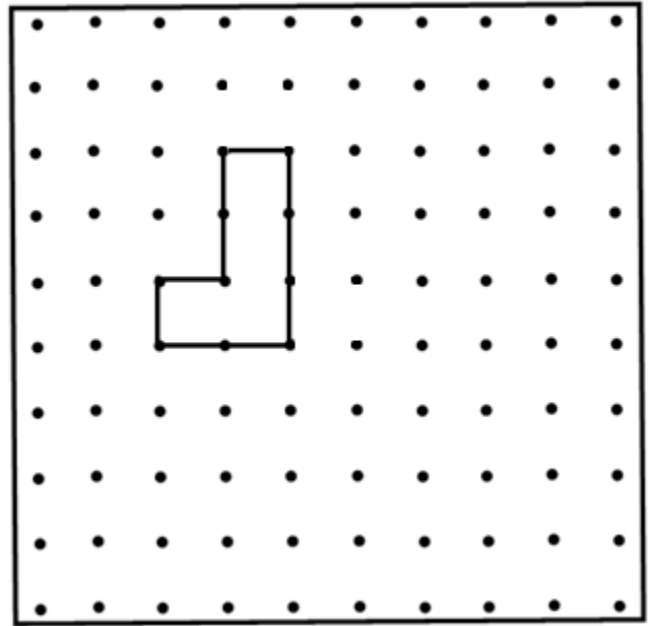
{4} 11. Sketch and label the front, top, left side and right side views of the object.



{4} 12. Draw the front, left, right, and top views of the object.



{4} 13. Use the shape to tessellate the space. What types of transformations did you use?



{3} 14. The shape shown will not tessellate as it is drawn. Without making a square, add to this shape so that it will tessellate. Draw a picture of the new shape and sketch the tessellation on the grid.

