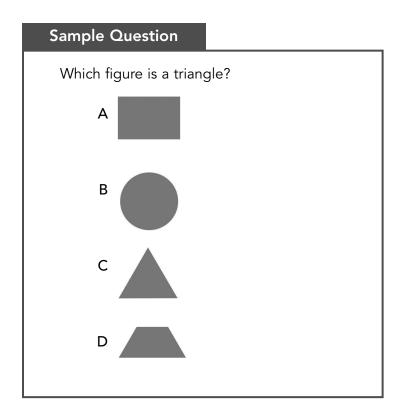
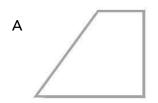
Level M - Form 1 - Applied Mathematics: Geometry and Spatial Sense

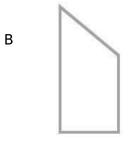


Level M - Form 1 - Applied Mathematics: Geometry and Spatial Sense

1. Which figure is congruent to the shaded figure?











2. Which pair of lines is perpendicular?

F /



н //



3. Which diagram shows a line of symmetry for the figure?

A /



c

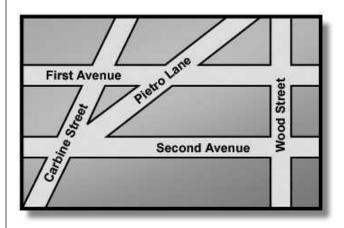
D ...(...)

- 4. How many faces does a cube have?
 - **F** 3
 - **G** 4
 - H 6
 - J 8
- 5. If you rotate this square 180°, what would the square look like?



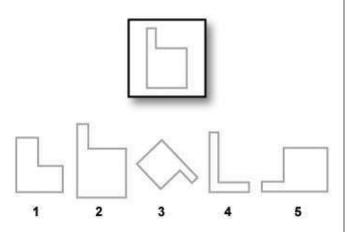
- A
- В
- С
- D

Study the map. Then do Numbers 6 through 7.



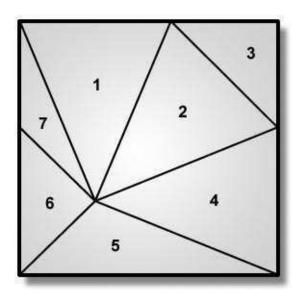
- 6. Which pair of streets is parallel?
 - F Wood Street and Second Avenue
 - G First Avenue and Second Avenue
 - H Pietro Lane and Carbine Street
 - J Carbine Street and Wood Street
- 7. What is the relationship between Second Avenue and Wood Street?
 - A They are perpendicular.
 - B They are parallel.
 - C They intersect at a 45° angle.
 - D They form an obtuse angle.

8. Which figures are similar to the figure in the box?



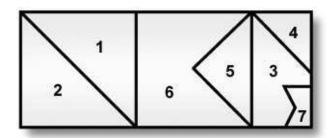
- F only figure 2
- G figures 4 and 5
- H figures 2, 3, and 5
- J figures 1 and 4

9. Which triangles in this figure are obtuse?

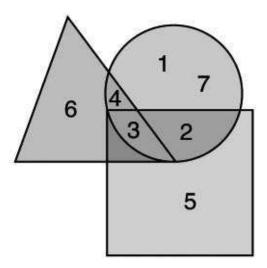


- A triangles 2 and 3
- B triangles 4 and 6
- C triangles 5 and 7
- D triangles 1, 2, 4 and 6
- 10. What shape is the base of a cone?
 - F circle
 - **G** square
 - H triangle
 - J rectangle

11. Which parts of this figure are congruent?

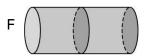


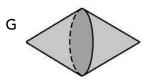
- A parts 2 and 4
- B parts 6 and 7
- C parts 1, 2, 4, and 5
- D parts 1 and 2
- **12.** Which number is inside the triangle and the circle, but outside the square?

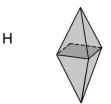


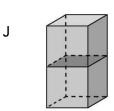
- F 2
- **G** 3
- H 4
- J 6

- 13. If two lines are parallel, they will
 - A form an obtuse angle
 - B form an acute angle
 - C intersect at a 90° angle
 - D never intersect
- 14. Which object is made of two cones?

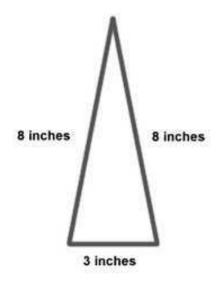




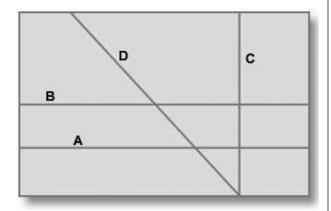




15. What type of triangle is shown here?

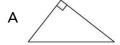


- A scalene
- B isosceles
- C equilateral
- D right
- **16.** Which line segment shows the symmetry of the rectangle?

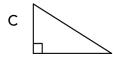


- F segment A
- **G** segment B
- H segment C
- J segment D

17. Which triangle is acute?

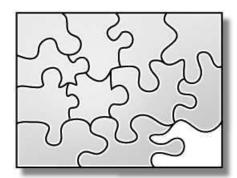






D

18. Which of these is the missing piece of the puzzle?



- f 65
- 6 NZ
- н 🚫

- **19.** How many lines of symmetry does a square have?
 - **A** 1
 - B 2
 - C 4
 - D 8
- **20.** What is the sum of the angle measures of a triangle?
 - F 150°
 - **G** 180°
 - H 200°
 - J 360°