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

## Sample Question

Which figure is a triangle?


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1. Which figure is congruent to the shaded figure?

2. Which pair of lines is perpendicular?

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

A


B


C


D

4. How many faces does a cube have?

F 3
G 4
H 6
J 8
5. If you rotate this square $180^{\circ}$, what would the square look like?


B


C


D

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 $90^{\circ}$ angle
D never intersect
14. Which object is made of two cones?


H


J

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?

A


B

C


D

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


F


