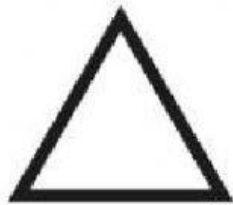Part 1 2D and 3D Shapes

1.

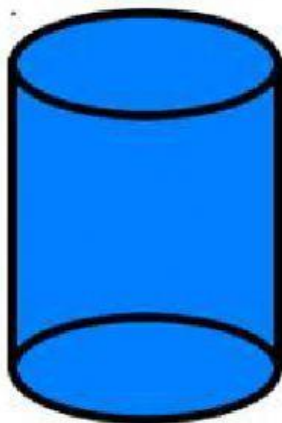
How many vertices does this shape have?

A 3

B 2

C 4

D triangle

2.

What shape is this?

A Circle

B Cylinder

C Cube

D Pyramid

3. An example of a sphere would be a...

A dice

B soccer ball

C cup

D triangle

4. What kind of faces does a cube have?

A circle

B square

C triangle

5. A cone is...

A 3D

B silly

C 2D

6. What are vertices?

A sides B angles

C corners D faces

7. What is the name of this shape?

A square B triangle

C nonagon D hexagon

8. What are vertices?

A sides B faces

C corners D angles

9. Which shape has 5 sides?

A pentagon B hexagon

C triangle D square

10. Which shape has 8 vertices?

A Triangle B Pentagon

C Hexagon D Octagon

11. How many sides does a quadrilateral have?

A 4 B 6

C 3 D 5

12.   Is this shape a quadrilateral?
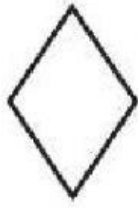
A   No   B   Sometimes

C   Yes

13.   Is this a polygon?

A   It is a polygon   B   Not a polygon
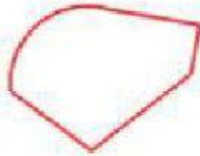
14.   What is this 3D shape called?
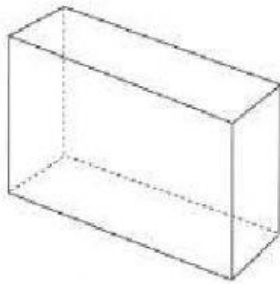
A   rectangular prism   B   square

C   rectangle   D   cube

15.   Which 3D shape has 6 flat faces?

A   Cone   B   Cube

C   Sphere

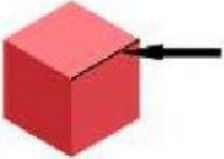16.   Which 2D shape has 3 sides?

A   diamond   B   rectangle

C   triangle   D   triangular prism
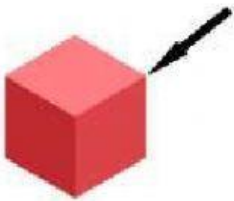
17. This 3D solid has no faces, no edges, and no vertices.

A sphere   B circle

C pyramid   D cube

18. The flat surface of a 3D shape is called...

A street   B vertex

C edge   D face

19. The lines on a 3D shape are called...

A edges   B faces

C vertices

20. The corners on a 3D shape are called...

A outlines   B cylinder

C vertices   D lines

Part 2 Line of Symmetry

1. Which of the following alphabet has vertical line of symmetry?

A S   B E

C B   D V

2. How many lines of symmetry does this shape have?

A 2   B 0

C 4   D 1

3.
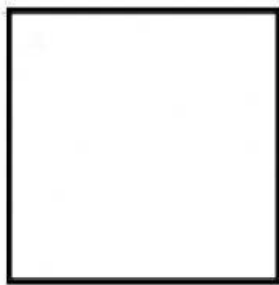
How many lines of symmetry does this shape have?

A	1		B	2
C	8		D	4

4.

M

How many lines of symmetry does this shape have?

A	4		B	3
C	2		D	1

5.
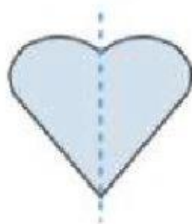
A	is symmetrical		B	not symmetrical

6. Symmetrical?
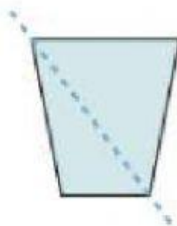
A	Is symmetrical		B	not symmetrical

7. Symmetrical?
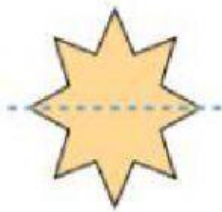
| A | not symmetrical | | B | Is symmetrical |

8. Symmetrical?
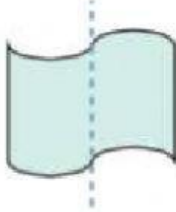
| A | not symmetrical | | B | Is symmetrical |

9. Symmetrical?
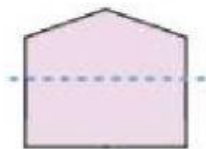
| A | not symmetrical | | B | Is symmetrical |

10. Symmetrical?
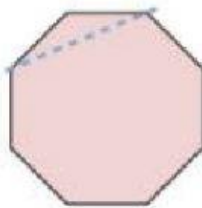
| A | not symmetrical | | B | Is symmetrical |

11. Symmetrical?

| A | Is symmetrical | | B | not symmetrical |

12.   Symmetrical?
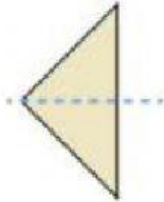
| A | Is symmetrical | | B | not symmetrical |

13.   Symmetrical?
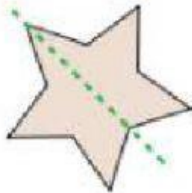
| A | not symmetrical | | B | Is symmetrical |

14.   Symmetrical?
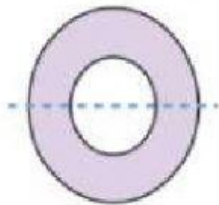
| A | Is symmetrical | | B | not symmetrical |

15.   Which of the following alphabet has vertical line of symmetry?

| A | E | | B | V |
| C | B | | D | S |

16.   A circle has _____ number of lines of symmetry

| A | 6 | | B | infinite / countless |
| C | 4 | | D | 5 |

17.   How many lines of symmetry does this shape have?

| A | 4 | | B | 2 |
| C | 3 | | D | 1 |

18. How many lines of symmetry does the butterfly have?

A	3	B	2
C	4	D	1

19. What is the order of rotational symmetry of this shape?

A	1	B	3
C	2	D	0

21. How many lines of symmetry does the flower have?

A	3	B	9
C	6	D	2

22. How many lines of symmetry does this shape have?

A	2	B	0
C	1	D	4

Part 3 Rotational Symmetry
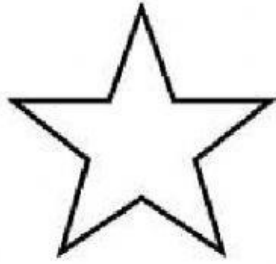
1. Find the order of rotational symmetry in this shape.

A	4	B	2
C	5	D	3
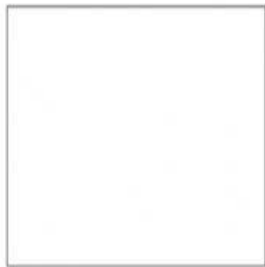
2. Find the order of rotational symmetry in this shape.

A	1	B	4
C	3	D	2

3. What is the order of rotation in the recycling symbol?

A	2	B	1
C	1,000	D	3

4. What is the order of rotational symmetry for the shape below?

A	0	B	1
C	3	D	2