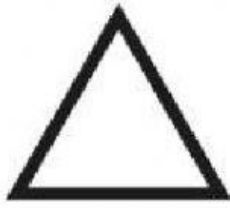


Part 1 2D and 3D Shapes

1.



How many **vertices** does this shape have?

☐ A

3

☐ B

2

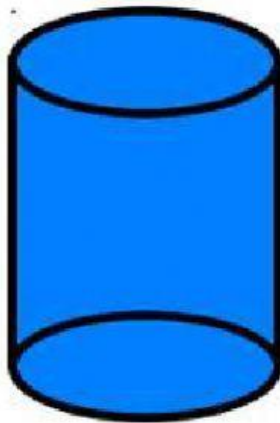
☐ C

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

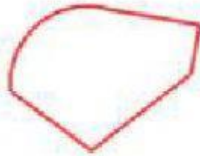
Sometimes

☐ C

Yes

13.

Is this a polygon?



☐ A

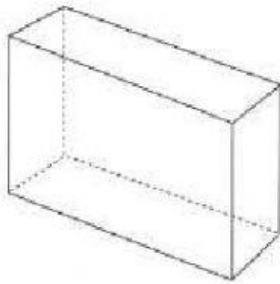
It is a polygon

☐ 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

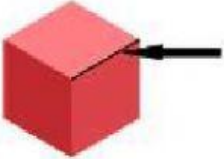
triangular prism

17. This 3D solid has no faces, no edges, and no vertices.

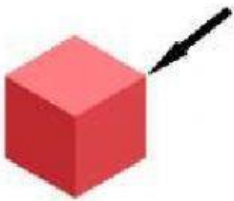
- | | |
|------------------------------------|-----------------------------------|
| ☐ A sphere | ☐ B circle |
| ☐ C pyramid | ☐ D cube |

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 | |

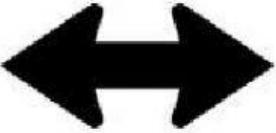
20.  The corners on a 3D shape are called...

- | | |
|-------------------------------------|-------------------------------------|
| ☐ A outlines | ☐ B cylinder |
| ☐ C vertices | ☐ D lines |

Part 2 Line of Symmetry

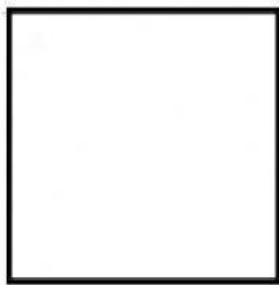
1. Which of the following alphabet has vertical line of symmetry?

- | | |
|------------------------------|------------------------------|
| ☐ 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.



How many lines of symmetry does this shape have?

☐ A

4

☐ B

3

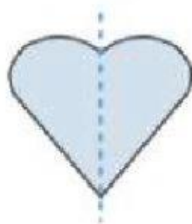
☐ C

2

☐ D

1

5.



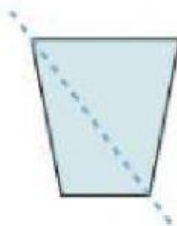
☐ A

is symmetrical

☐ B

not symmetrical

6.



Symmetrical?

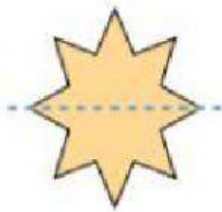
☐ A

is symmetrical

☐ B

not symmetrical

7.



Symmetrical?

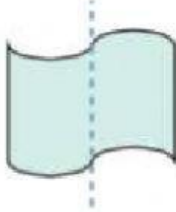
☐ A

not symmetrical

☐ B

Is symmetrical

8.



Symmetrical?

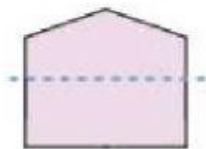
☐ A

not symmetrical

☐ B

Is symmetrical

9.



Symmetrical?

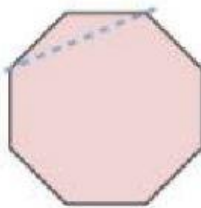
☐ A

not symmetrical

☐ B

Is symmetrical

10.



Symmetrical?

☐ A

not symmetrical

☐ B

Is symmetrical

11.



Symmetrical?

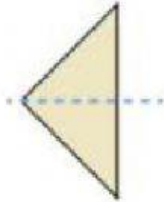
☐ A

Is symmetrical

☐ B

not symmetrical

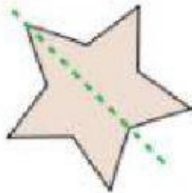
12. Symmetrical?



☐ A Is symmetrical

☐ B not symmetrical

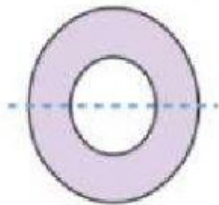
13. Symmetrical?



☐ 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

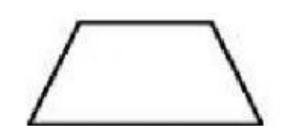
☐ C

6

☐ D

2

22.



How many lines of symmetry does this shape have?

☐ A

2

☐ B

0

☐ C

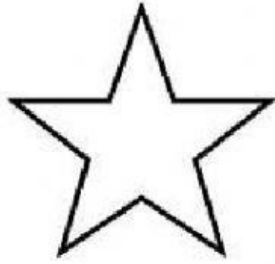
1

☐ 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