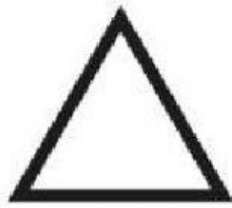


Part 1 2D and 3D Shapes

1.



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

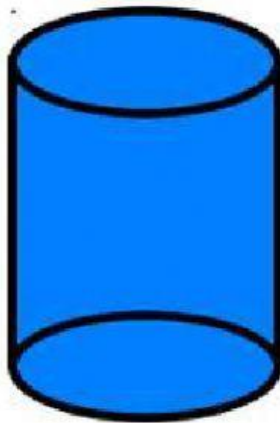
☐ A 3

☐ 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?



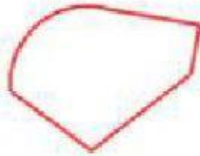
☐ A No

☐ B Sometimes

☐ C Yes

13.

Is this a polygon?

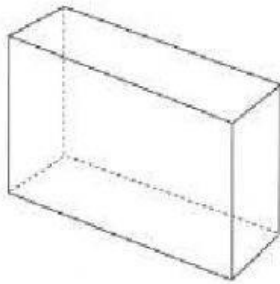


☐ A It is a polygon

☐ 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

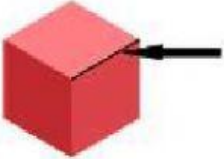
☐ D triangular prism

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

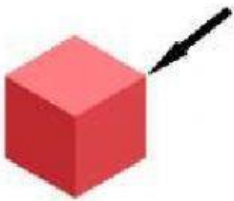
- | | |
|------------------------------------|-----------------------------------|
| ☐ A sphere | ☐ B circle |
| ☐ C pyramid | ☐ D cube |

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 | |

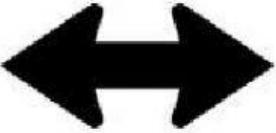
20.  The corners on a 3D shape are called...

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

Part 2 Line of Symmetry

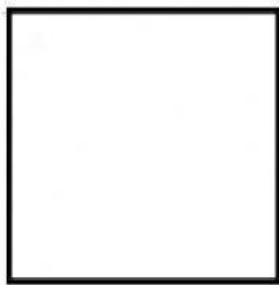
1. Which of the following alphabet has vertical line of symmetry?

- | | |
|------------------------------|------------------------------|
| ☐ 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

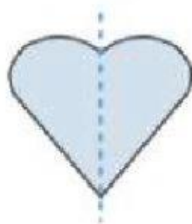
☐ C

2

☐ D

1

5.



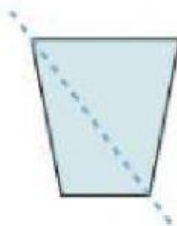
☐ A

is symmetrical

☐ B

not symmetrical

6.



Symmetrical?

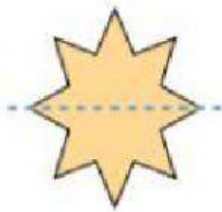
☐ A

is symmetrical

☐ B

not symmetrical

7.



Symmetrical?

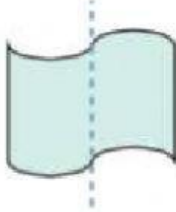
☐ A

not symmetrical

☐ B

Is symmetrical

8.



Symmetrical?

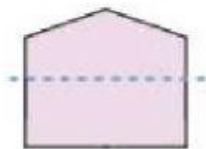
☐ A

not symmetrical

☐ B

Is symmetrical

9.



Symmetrical?

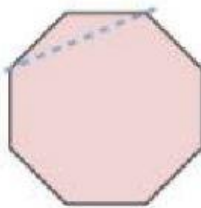
☐ A

not symmetrical

☐ B

Is symmetrical

10.



Symmetrical?

☐ A

not symmetrical

☐ B

Is symmetrical

11.



Symmetrical?

☐ A

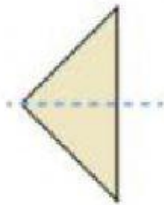
Is symmetrical

☐ B

not symmetrical

12.

Symmetrical?



☐ A

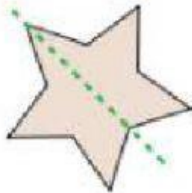
Is symmetrical

☐ B

not symmetrical

13.

Symmetrical?



☐ A

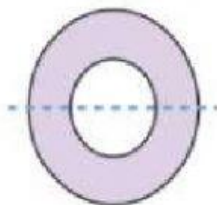
not symmetrical

☐ 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?

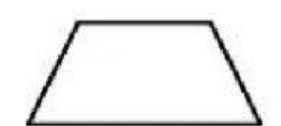
☐ A 3

☐ B 9

☐ C 6

☐ D 2

22.



How many lines of symmetry does this shape have?

☐ A 2

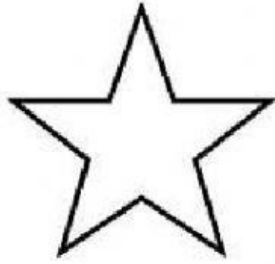
☐ B 0

☐ 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