

3D shapes quiz

Level: A

1. A 3-D shape can also be called...
 - A) A flat shape
 - B) A solid shape
 - C) A polygon
2. Vertices are also called...
 - A) Edges
 - B) Corners
 - C) Faces
 - D) Sides
3. A solid object has six faces which are all squares. What is the name of this object?
 - A) Cylinder
 - B) Cube
 - C) Cuboid
4. The shape of a can of soup is an everyday example of a...
 - A) Cylinder
 - B) Cube
 - C) Cuboid
5. What is the name of this shape?



- A) Cylinder
 - B) Cube
 - C) Cuboid
6. Which 3-D shape has six rectangular faces?
 - A) Sphere
 - B) Cuboid
 - C) Cylinder

3D shapes quiz

7. What is the name given to a solid object that has a curved surface and two circular ends?
- A) Sphere
 - B) Cone
 - C) Cylinder
8. Baked beans usually come in what shaped cans?



- A) Square
 - B) Cylindrical
 - C) Cubed
9. Most dice are the shape of which 3-D shape?
- A) Cuboid
 - B) Cylinder
 - C) Cube
10. A cupboard usually has the shape of which 3-D shape?
- A) Cuboid
 - B) Cylinder
 - C) Cube

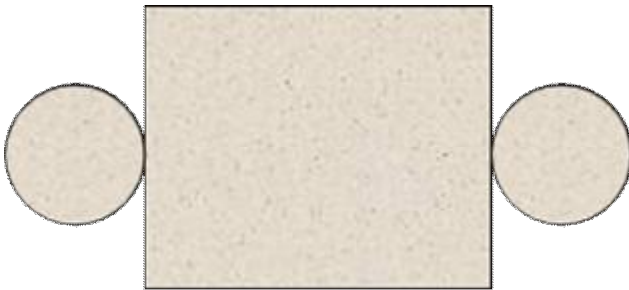
3D shapes quiz

Level B

1. 3-D shapes are regular when all the faces are equal. Which 3-D shape is regular?

- A) Cylinder
- B) Cube
- C) Cuboid

2. A 3-D shape has been opened up to a flat 2-D shape (a net) and is shown below? What was the 3-D shape?



- A) Sphere
- B) Cylinder
- C) Cone

3. Which two mathematical shapes could you combine to make this building?



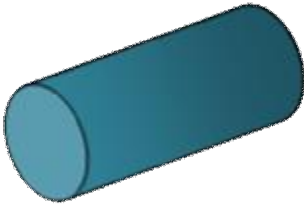
- A) Cone and sphere
- B) Cylinder and sphere
- C) Cone and cylinder

3D shapes quiz

4. What shape can be the cross section of a cylinder?

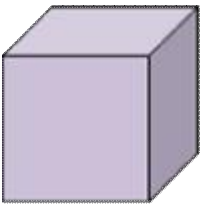
- A) Triangle
- B) Hexagon
- C) Circle

5. How many edges does a cylinder have?



- A) Two
- B) Three
- C) Four

6. How many edges does a cube have?



- A) Six
- B) Eight
- C) Twelve

7. How many vertices does a cylinder have?

- A) None
- B) Six
- C) Eight

8. How many vertices does a cube have?

- A) None
- B) Six
- C) Eight
- D) Twelve

3D shapes quiz

9. A solid object has 6 faces, 12 edges and 8 corners. This object could be a...

- A) Cylinder
- B) Cuboid
- C) Cone

10. If there are 9 squares on each face of on a Rubik's Cube, how many squares are there in total?



- A) 15
- B) 27
- C) 45
- D) 54

3D shapes quiz

Level C

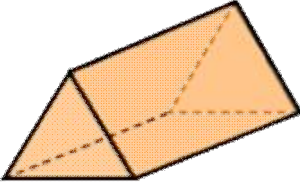
1. A perfectly round solid is called a...
 - A) Sphere
 - B) Cone
 - C) Cylinder
2. A 3-D shape with four faces that are all triangles is a...
 - A) Triangle
 - B) Triangular prism
 - C) Triangle-based pyramid
 - D) Cone
3. What is the name of the shape of the chocolate in the picture?



- A) Triangle
 - B) Triangular prism
 - C) Triangle-based pyramid
4. Which of the following 3-D shapes have no vertices or edges?
 - A) Hexagonal prisms
 - B) Triangular prisms
 - C) Cones
 - D) Spheres

3D shapes quiz

5. How many faces does a triangular prism have?



- A) Four
- B) Five
- C) Six
- D) Eight

6. An octagonal prism is an eight-sided 3-D shape. How many faces does it have?



- A) Eight
- B) Ten
- C) Twelve
- D) Sixteen

7. Which of the following shape is a 3-D shape?

- A) Octagon
- B) Hexagon
- C) Quadrilateral
- D) Pyramid

8. Which of the following shape is not a 3-D shape?

- A) Hexagonal prism
- B) Pentagon
- C) Triangular prism
- D) Cuboid

3D shapes quiz

9. Which of the following shapes has curved surfaces?

- A) Hexagonal prism
- B) Triangular prism
- C) Cuboid
- D) Cone

10. Which of the following shapes does not have any curved surfaces?

- A) Cone
- B) Sphere
- C) Cuboid
- D) Cylinder

3D shapes quiz

Answers

Level A

1. A 3-D shape can also be called...

The correct answer is: B. A solid shape. The others are 2D

2. Vertices are also called...

The correct answer is: B. Corners.

3. A solid object has six faces which are all squares. What is the name of this object?

The correct answer is: B. Cube.

4. The shape of a can of soup is an everyday example of a...

The correct answer is: A. Cylinder.

5. What is the name of the shape?

The correct answer is: C. Cuboid.

6. Which 3-D shape has six rectangular faces?

The correct answer is: B. Cuboid.

7. What is the name given to a solid object that has a curved surface and two circular ends?

The correct answer is: C. Cylinder.

3D shapes quiz

8. Baked beans usually come in what shaped cans?

The correct answer is: B. Cylindrical.

9. Most dice are the shape of which 3-D shape?

The correct answer is: C. Cube.

10. A cupboard usually has the shape of which 3-D shape?

The correct answer is: A. Cuboid.

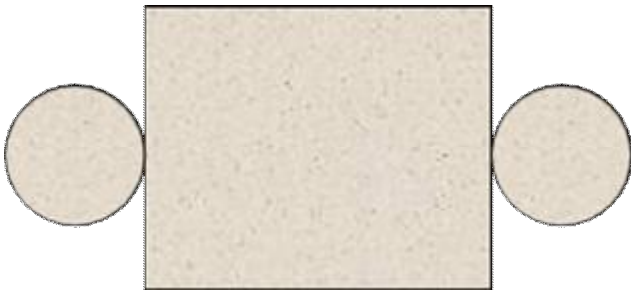
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Level B

1. 3-D shapes are regular when all the faces are equal. Which 3-D shape is regular?

The correct answer is: B. Cube.

2. A 3-D shape has been opened up to a flat 2-D shape (a net) and is shown below? What was the 3-D shape?



The correct answer is: B. Cylinder.

3. Which two mathematical shapes could you combine to make this building?



The correct answer is: C. Cone and cylinder.

3D shapes quiz

4. What shape can be the cross section of a cylinder?

The correct answer is: C. Circle.

5. How many edges does a cylinder have?

The correct answer is: A. Two.

6. How many edges does a cube have?

The correct answer is: C. Twelve.

7. How many vertices does a cylinder have?

The correct answer is: A. None.

8. How many vertices does a cube have?

The correct answer is: C. Eight.

9. A solid object has 6 faces, 12 edges and 8 corners. This object could be a ...

The correct answer is: B. Cuboid.

10. If there are 9 squares on each face of on a Rubik's Cube, how many squares are there in total?

The correct answer is: D. 54. Since a cube has 6 faces, $6 \times 9 = 54$

3D shapes quiz

Level C

1. A perfectly round solid is called a...

The correct answer is: A. Sphere.

2. A 3-D shape with four faces that are all triangles is a...

The correct answer is: C. Triangle-based pyramid.

3. What is the name of the shape of the chocolate in the picture?

The correct answer is: B. Triangular prism.

4. Which of the following 3-D shapes have no vertices or edges?

The correct answer is: D. Spheres.

5. How many faces does a triangular prism have?

The correct answer is: B. Five.

6. An octagonal prism is an eight-sided 3-D shape. How many faces does it have?

The correct answer is: B. Ten.

7. Which of the following shape is a 3-D shape?

The correct answer is: D. Pyramid.

3D shapes quiz

8. Which of the following shape is not a 3-D shape?

The correct answer is: B. Pentagon.

9. Which of the following shapes has curved surfaces?

The correct answer is: D. Cone.

10. Which of the following shapes does not have any curved surfaces?

The correct answer is: C. Cuboid.