

Grade 1 · 2D and 3D Shapes · Test

Common Core 1.G.A.1, 1.G.A.2 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

This test has 8 short questions about 2D and 3D shapes. It is worth 20 points and takes about 30 minutes. Look at each picture carefully. Write each answer next to its question.

Test information

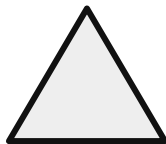
- **Grade:** Grade 1
- **Chapter:** 2D and 3D Shapes
- **Common Core:** 1.G.A.1, 1.G.A.2
- **Time:** 30 minutes
- **Total:** 20 points (Question 1: 2 pts; Question 2: 3 pts; Question 3: 3 pts; Question 4: 2 pts; Question 5: 3 pts; Question 6: 2 pts; Question 7: 2 pts; Question 8: 3 pts)

Question 1: Name the shapes (2 points)

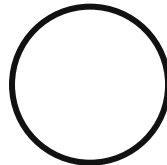
Look at the shapes.



A



B



C



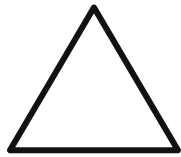
D

Shapes A, B, C and D.

- Write the name of shape A. (1 point)
- Write the name of shape C. (1 point)

Question 2: Sides and corners (3 points)

Look at the triangle and the rectangle.



triangle



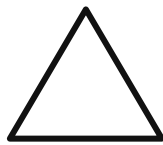
rectangle

A triangle and a rectangle.

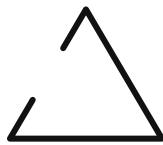
- a. How many sides does the triangle have? *(1 point)*
- b. How many corners does the rectangle have? *(1 point)*
- c. How many straight sides does a circle have? *(1 point)*

Question 3: Is it a triangle (3 points)

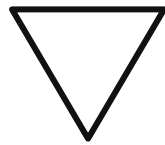
Look at the four shapes.



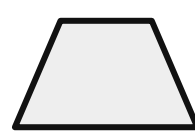
A



B



C



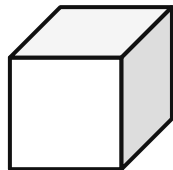
D

Shapes A, B, C and D.

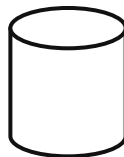
- a. Write the letters of all the triangles. *(2 points)*
- b. Tell why shape B is not a triangle. *(1 point)*

Question 4: Name the solids (2 points)

Write the name of each solid.



A



B



C

Solids A, B and C.

Question 5: Same shape or not (3 points)

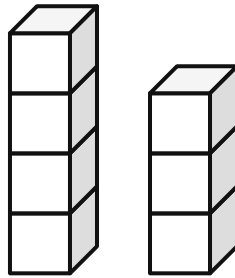
- a. Maya colors a triangle red. Is it still a triangle? Write yes or no. (1 point)
- b. Ben makes a triangle twice as big. Is it still a triangle? Write yes or no. (1 point)
- c. Write one defining attribute of a triangle. (1 point)

Question 6: Putting shapes together (2 points)

- a. Two squares of the same size touch along one side. What shape do they make? (1 point)
- b. Two half circles of the same size are put together along the straight edge. What shape do they make? (1 point)

Question 7: Cube towers (2 points)

Noah stacks 4 cubes. Mia stacks 3 cubes.



Noah's tower and Mia's tower.

How many cubes do they use in all?

Question 8: Priya's shapes (3 points)

Priya has 5 triangles and 4 squares.

- a. How many shapes does Priya have in all? (1 point)
- b. How many more triangles than squares does she have? (1 point)
- c. Two triangles of the same size can make 1 square. How many squares can Priya make using 4 triangles? (1 point)