

Grade 2 - Shapes and Equal Shares - Test

Common Core 2.G.A.1, 2.G.A.2, 2.G.A.3 · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

This **shapes equal shares test** for 2nd Grade covers shapes and equal shares (Common Core 2.G.A.1, 2.G.A.2, 2.G.A.3), with a free PDF to print.

This test has 9 questions worth 20 points. Look at each figure carefully. Name shapes by counting sides, count squares by rows, and explain equal shares in full sentences. Work alone. You have 45 minutes.

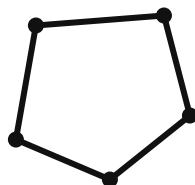
Time and points

About this test

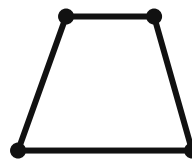
- Grade: Grade 2
- Chapter: Shapes and Equal Shares
- Standards: 2.G.A.1, 2.G.A.2, 2.G.A.3
- Time: 45 minutes
- Total: 20 points

Shapes equal shares test: questions

Question 1 - Name the shapes [2 pts]



Shape A

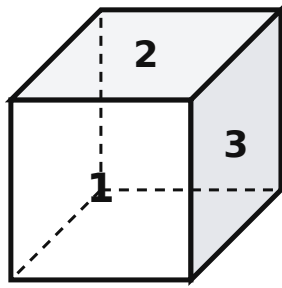


Shape B

Shapes A and B.

- Write the name of Shape A. (1 point)
- How many sides does Shape B have? (1 point)

Question 2 - Cube faces [2 pts]



A cube.

- How many faces does a cube have in all? (1 point)
- What shape is each face? (1 point)

Question 3 - Check the claim [2 pts]

Zoe says a shape with 4 sides and 4 angles is a pentagon. Is Zoe right? Explain.

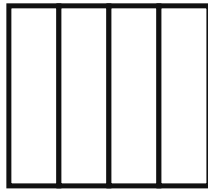
Question 4 - Rows and columns [2 pts]

	Col 1	Col 2	Col 3	Col 4	Col 5
Row 1					
Row 2					
Row 3					
Row 4					

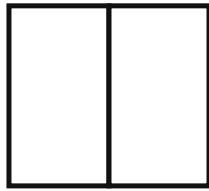
A rectangle of squares.

- How many rows and how many columns does the rectangle have? (1 point)
- Write an addition sentence for the total number of squares. (1 point)

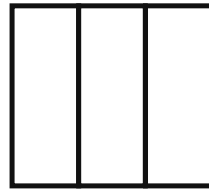
Question 5 - Which shows thirds [2 pts]



Rectangle A



Rectangle B



Rectangle C

Three rectangles of the same size.

- Which rectangle is cut into thirds? (1 point)
- Which rectangle has the biggest equal shares? (1 point)

Question 6 - Equal shares or not [2 pts]



Rectangle

The rectangle is cut into 3 parts.

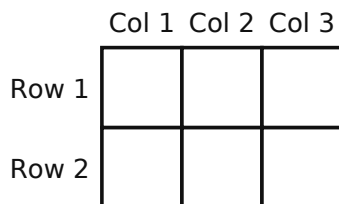
Is this rectangle cut into thirds? Explain.

Question 7 - Cornbread pieces [2 pts]

A pan of cornbread is cut into 4 equal pieces. Liam eats 1 piece and Mei eats 1 piece.

- How many fourths did they eat in all? (1 point)
- How many fourths are left? (1 point)

Question 8 - Shade the shares [3 pts]



A rectangle of 6 squares.

- a. Shade one third of the rectangle. (1 point)
- b. How many squares did you shade? (1 point)
- c. What part of the rectangle is not shaded? Write your answer in words. (1 point)

Question 9 - Compare the sandwiches [3 pts]

Sofia and Diego have two identical square sandwiches. Sofia cuts her sandwich into 2 equal shares. Diego cuts his into 4 equal shares.

- a. What is each kind of share called? (1 point)
- b. Whose pieces are bigger? (1 point)
- c. How many of Diego's pieces make a whole sandwich? (1 point)

Key facts behind this shapes equal shares test

Key facts

- Name a polygon by counting its sides: 3 triangle, 4 quadrilateral, 5 pentagon, 6 hexagon.
- A polygon has the same number of angles as sides.
- A cube has 6 faces and every face is a square.
- Count a rectangle of squares by rows: add the number in one row once for each row.
- 2 halves, 3 thirds, or 4 fourths each make one whole, and equal shares are the same size.

How to use this shapes equal shares test

Time yourself: the test is designed for an average student in 45 minutes. Answer the questions you are sure of first, then come back to the longer ones and check your units.