

Grade 2 - Shapes and Equal Shares - Test Answer Key

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

This **shapes equal shares test answers** 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 answer key gives the full solution and the scoring guide for each question. Award each point as shown. Accept any clear, correct explanation in the student's own words. The total is 20 points.

Grade 2 · Common Core State Standards: **2.G.A.1, 2.G.A.2, 2.G.A.3**

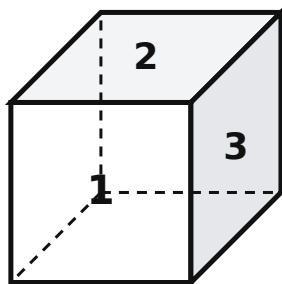
Shapes equal shares test answers: worked solutions

Question 1 - Name the shapes [2 pts]

- a. Shape A has 5 sides: a **pentagon**.
- b. Shape B has **4 sides**.

Scoring: 1 point for pentagon. 1 point for 4 sides.

Question 2 - Cube faces [2 pts]



1 = front face

2 = top face

3 = right face

Dashed lines: hidden edges

3 visible faces and 3 hidden faces.

- a. 3 faces show and 3 are hidden: $3+3=6$. A cube has **6 faces**.
- b. Each face is a **square**.

Scoring: 1 point for 6. 1 point for square.

Question 3 - Check the claim [2 pts]

No. A pentagon has 5 sides and 5 angles. A shape with 4 sides and 4 angles is a quadrilateral.

Scoring: 1 point for saying no. 1 point for a correct reason (a pentagon has 5 sides, or the shape is a quadrilateral).

Question 4 - Rows and columns [2 pts]

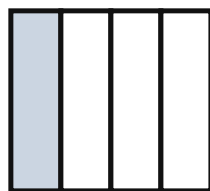
	Col 1	Col 2	Col 3	Col 4	Col 5
Row 1					
Row 2					
Row 3					
Row 4					

Row 1 is shaded: 5 squares.

- a. **4 rows** and **5 columns**.
- b. $5+5+5+5=20$, so **20 squares**.

Scoring: 1 point for 4 rows and 5 columns. 1 point for a correct addition sentence (4 fives).

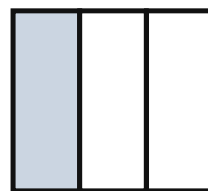
Question 5 - Which shows thirds [2 pts]



A: fourths



B: halves



C: thirds

One share of each rectangle is shaded.

- a. Rectangle **C** has 3 equal shares, so it shows thirds.
- b. Rectangle **B** has the fewest shares (2), so its halves are the biggest.

Scoring: 1 point for C. 1 point for B.

Question 6 - Equal shares or not [2 pts]

No. The rectangle has 3 parts, but the parts are not the same size. The left part is bigger than each of the other two parts.

Scoring: 1 point for no. 1 point for explaining that the parts are not equal in size.

Question 7 - Cornbread pieces [2 pts]

- a. $1+1=2$, so they ate **2 fourths**.
- b. $4-2=2$, so **2 fourths** are left.

Scoring: 1 point for each correct part.

Question 8 - Shade the shares [3 pts]

	Col 1	Col 2	Col 3
Row 1			
Row 2			

One column (one third) is shaded.

- a. The rectangle has 3 equal columns. Shade **one column** (2 squares); any one column is correct.
- b. **2 squares** are shaded, because $6 \div 3 = 2$.
- c. The other 2 columns are not shaded: **two thirds**.

Scoring: 1 point for one full column shaded. 1 point for 2 squares. 1 point for two thirds.

Question 9 - Compare the sandwiches [3 pts]

- a. Sofia's shares are **halves**. Diego's shares are **fourths**.
- b. Fewer shares means bigger shares, so **Sofia's** pieces are bigger.
- c. 4 fourths make a whole, so **4 pieces**.

Scoring: 1 point for halves and fourths. 1 point for Sofia. 1 point for 4.

Total score

Total

20 points

Key facts behind this shapes equal shares test answers

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 answers

Score your test with the point values shown for each question. Then read the worked solution of every question where you lost points and note the method to review.