

Grade 2 - Shapes and Equal Shares - Answer Key

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

This **shapes equal shares 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.

Worked solutions for all 22 problems. Check the number of sides, rows, or equal shares first, then compare it with your own answer. Final answers are in bold so they are easy to find.

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

Shapes equal shares answers: exercises 1 to 10

Exercise 1 - Count the sides

Touch each side once and count: 1, 2, 3, 4, 5.

Shape P has **5 sides**.

Exercise 2 - Name the shape

Shape H has 6 sides, so it is a **hexagon**.

Exercise 3 - Angles of a triangle

A triangle has 3 sides, and a polygon has as many angles as sides.

A triangle has **3 angles**.

Exercise 4 - Find the quadrilateral

A quadrilateral has 4 sides. The sides are A: 6, B: 3, C: 5, D: 4.

Shape **D** is the quadrilateral.

Exercise 5 - Describe the shape

A shape with 4 sides is a **quadrilateral**.

Exercise 6 - Find the hexagon

The sides are A: 5, B: 6, C: 4, D: 3.

Shape **B** has 6 sides. It is a hexagon.

Exercise 7 - Sides by name

- a. A triangle has **3 sides**.
- b. A pentagon has **5 sides**.
- c. A hexagon has **6 sides**.

Exercise 8 - Faces of a cube

3 faces show in the picture and 3 faces are hidden.

$$3+3=6$$

The cube has **6 faces**.

Exercise 9 - Shape of a face

Every face of a cube is a **square**.

Exercise 10 - Rows and columns

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

Row 1 is shaded: 5 squares.

There are 3 rows and 5 columns.

$$5+5+5=15$$

The rectangle has **15 squares**.

Exercises 11 and up

Exercise 11 - Addition sentence

There are 4 rows with 2 squares in each row.

$$2+2+2+2=8$$

The total is **8 squares**.

Exercise 12 - Tiles on a tray

$$3+3+3=9$$

There are **9 tiles** on the tray.

Exercise 13 - Halves

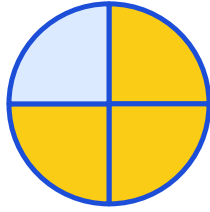
- a. 2 equal shares are **halves**.
- b. Two halves make the whole, so **2** shares.

Exercise 14 - Thirds

The rectangle has 3 equal shares, so they are thirds. One share is shaded.

One third is shaded.

Exercise 15 - Fourths



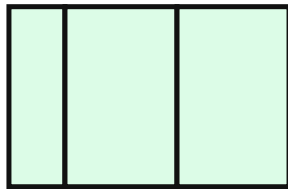
3 shaded, 1 not shaded

3 shaded, 1 not shaded.

- a. **3 fourths** are shaded.
- b. **1 fourth** is not shaded.

Check: $3+1=4$ fourths in the whole.

Exercise 16 - Equal or not



2 units, 4 units, 4 units

Widths: 2, 4 and 4 units.

The parts are 2, 4 and 4 units wide. The first part is smaller than the others.

No. Thirds must be 3 equal shares, and these parts are not the same size.

Exercise 17 - Pizza slices

- a. 4 equal slices are fourths. Jamal ate **one fourth**.
- b. $4-1=3$, so **3 fourths** are left.

Exercise 18 - Bigger share

The rectangle on the left has only 2 shares, so each share is large. The rectangle on the right has 4 shares, so each share is smaller.

One half is bigger than one fourth.

Exercise 19 - Same size, new shape

Each square is cut into 2 parts. In each square the two parts are the same size, even though the parts in Square 2 are triangles.

Yes. Both squares show halves, because halves only have to be equal in size.

Exercise 20 - Thirds of a cracker

- a. Aisha has **2 thirds**.
- b. $3-2=1$, so **1 third** is left.

Exercise 21 - Shade a row or a column

	Col 1	Col 2	Col 3
Row 1			
Row 2			

Shading one column: 2 squares.

- a. **3 squares** are shaded.
- b. The rectangle has 6 squares in 2 equal rows. 1 of 2 equal rows is **one half**.
- c. The rectangle has 3 equal columns. One column is **one third** (2 of the 6 squares).

Exercise 22 - Garden plots

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

3 bean plots and 9 other plots.

- a. $3+3+3+3=12$, so **12 plots**.
- b. Row 1 has **3 plots**.

c. 1 of 4 equal rows is **one fourth**.

d. $12 - 3 = 9$, so **9 plots**.

Key facts behind this shapes equal shares 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 answers

Cover each solution, solve the exercise again, then uncover it and compare every line. If your answer differs, find the first step that changed and redo the exercise from there.

Download the shapes equal shares answers as a PDF with the button below and keep it with your notes.