

Grade 2 - Shapes and Equal Shares - Worksheet

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 worksheet** 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.

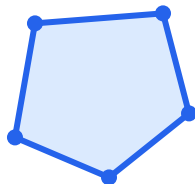
These 22 problems practice naming shapes by their sides and angles, finding the faces of a cube, counting squares in rows and columns, and telling halves, thirds, and fourths apart (2.G.A.1, 2.G.A.2, 2.G.A.3).

The first problems are quick shape checks. The last six are word problems that mix shapes, rows, and equal shares.

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

Shapes equal shares worksheet: exercises 1 to 10

Exercise 1 - Count the sides

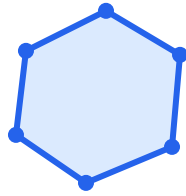


Shape P

Shape P.

Count the sides of Shape P. How many sides does it have?

Exercise 2 - Name the shape



Shape H

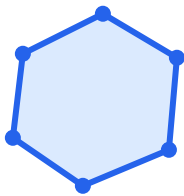
Shape H.

Write the name of Shape H.

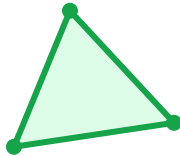
Exercise 3 - Angles of a triangle

How many angles does a triangle have?

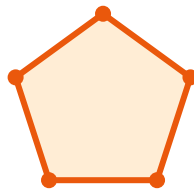
Exercise 4 - Find the quadrilateral



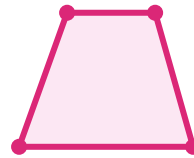
Shape A



Shape B



Shape C



Shape D

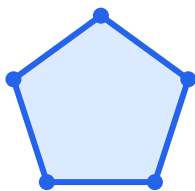
Four shapes labeled A, B, C and D.

Which shape is a quadrilateral? Write the letter.

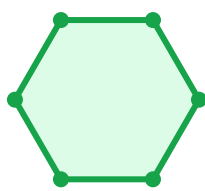
Exercise 5 - Describe the shape

Kai draws a shape with 4 straight sides and 4 angles. Write the name of Kai's shape.

Exercise 6 - Find the hexagon



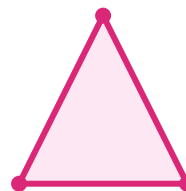
Shape A



Shape B



Shape C



Shape D

Four shapes labeled A, B, C and D.

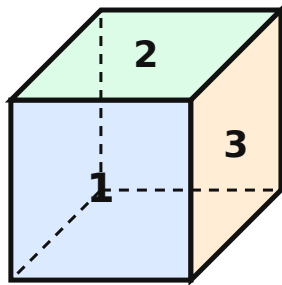
Which shape has 6 sides? Write the letter.

Exercise 7 - Sides by name

Write the number of sides for each shape.

- a. triangle
- b. pentagon
- c. hexagon

Exercise 8 - Faces of a cube



A cube.

The picture shows 3 faces of the cube. How many faces does the cube have in all?

Exercise 9 - Shape of a face

Ruby holds a game die shaped like a cube. What shape is every face of the die?

Exercise 10 - Rows and columns

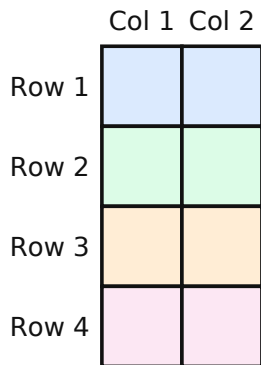
	Col 1	Col 2	Col 3	Col 4	Col 5
Row 1					
Row 2					
Row 3					

A rectangle of squares.

Write the number of rows, the number of columns, and the number of squares in all.

Exercises 11 and up

Exercise 11 - Addition sentence



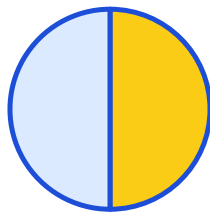
A rectangle of squares.

Write an addition sentence that gives the number of squares.

Exercise 12 - Tiles on a tray

Ethan covers a tray with 3 rows of square tiles. Each row has 3 tiles. How many tiles are on the tray?

Exercise 13 - Halves



Circle

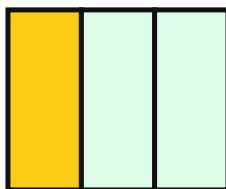
A circle cut into 2 equal parts.

The circle is cut into 2 equal shares.

a. What is each share called?

b. How many of these shares make the whole circle?

Exercise 14 - Thirds

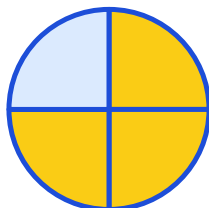


Rectangle

A rectangle cut into 3 equal parts.

What part of the rectangle is shaded? Write your answer in words.

Exercise 15 - Fourths

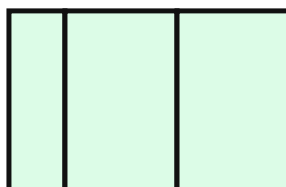


Circle

A circle cut into 4 equal parts.

- a. How many fourths are shaded?
- b. How many fourths are not shaded?

Exercise 16 - Equal or not



Rectangle

The rectangle is 10 units wide.

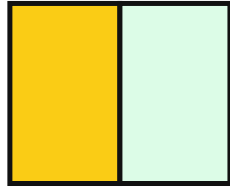
Mia says this rectangle is cut into thirds. Is Mia right? Explain.

Exercise 17 - Pizza slices

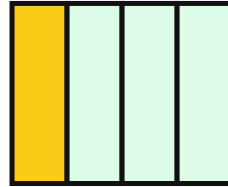
A pizza is cut into 4 equal slices. Jamal eats 1 slice.

- What part of the pizza did Jamal eat?
- How many fourths of the pizza are left?

Exercise 18 - Bigger share



Cut in halves

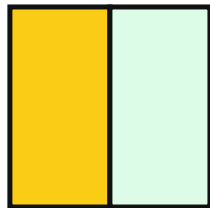


Cut in fourths

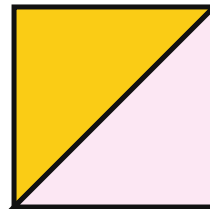
Two rectangles of the same size.

The two rectangles are the same size. Which shaded piece is bigger, one half or one fourth?

Exercise 19 - Same size, new shape



Square 1



Square 2

Two identical squares cut into halves in different ways.

Priya cut two identical squares of paper. Does each square show halves? Explain.

Exercise 20 - Thirds of a cracker

A cracker is cut into 3 equal shares. Aisha takes 2 shares.

- How many thirds does Aisha have?
- How many thirds are left?

Exercise 21 - Shade a row or a column

	Col 1	Col 2	Col 3
Row 1			
Row 2			

Row 1 is shaded.

Maya shaded Row 1.

- How many squares are shaded?
- What part of the rectangle is shaded?
- What part would be shaded if she shaded one column instead?

Exercise 22 - Garden plots

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

Row 1 grows beans.

Diego's garden has 4 equal rows with 3 plots in each row. He plants beans in Row 1, the shaded row.

- How many plots are in the garden?
- How many plots have beans?
- What part of the garden has beans?
- How many plots are left for other plants?

Key facts behind this shapes equal shares worksheet

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 worksheet

Work through the exercises in order: they go from simple to challenging. Write every step on paper, then compare with the solutions page and redo any exercise you missed the next day.

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

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