

Grade 3 - Quadrilaterals and Partitioning Shapes - Worksheet

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

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

This **quadrilaterals practice worksheet** for 3rd Grade covers quadrilaterals and partitioning shapes (Common Core 3.G.A.1, 3.G.A.2), with a free PDF to print.

These 24 problems practice 3.G.A.1 and 3.G.A.2. First sort quadrilaterals by attributes such as equal sides, right angles, and parallel sides. Then cut shapes into parts with equal area and name each part with a unit fraction.

The problems go from easy to harder, and the last six use stories and several steps. Draw, count, and explain.

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

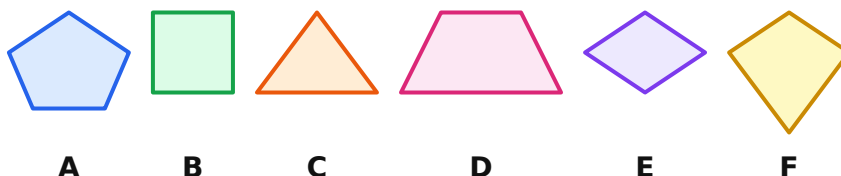
Quadrilaterals practice worksheet: exercises 1 to 10

Exercise 1 - Sides and corners

Write how many straight sides and how many corners a quadrilateral has.

Exercise 2 - Find the quadrilaterals

Write the letters of all the quadrilaterals.



Six shapes labeled A to F: a pentagon, a square, a triangle, a trapezoid, a rhombus, and a kite

Exercise 3 - Mystery shape one

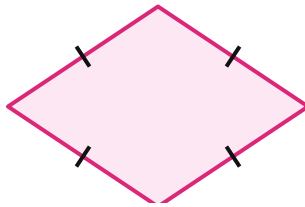
Mia draws a shape with 4 sides. All 4 sides are the same length, and all 4 corners are right angles. Name the shape.

Exercise 4 - Right angles in a rectangle

How many right angles does a rectangle have?

Exercise 5 - Name the tick-mark shape

The tick marks show sides of equal length. The shape has no right angles. Name it.



A four-sided shape with tick marks on all 4 sides, showing they are equal, and no right angles

Exercise 6 - Square and rectangle

True or false: every square is a rectangle. Explain.

Exercise 7 - Rhombus and square

True or false: every rhombus is a square. Explain.

Exercise 8 - Mystery shape two

Jamal draws a quadrilateral with 4 right angles. Two sides are 6 inches long and the other two sides are 3 inches long. Name the shape.

Exercise 9 - Draw a different quadrilateral

Draw a quadrilateral that is not a rhombus, not a rectangle, and not a square.

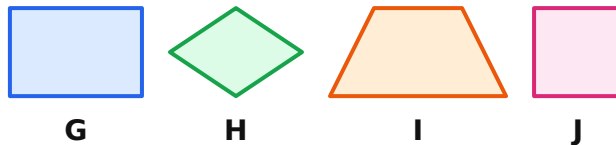
Exercise 10 - A shared attribute

Name one attribute that every rectangle and every rhombus share.

Exercises 11 and up

Exercise 11 - Rhombus but not square

Which shape is a rhombus but not a square? Write the letter.



Four shapes: G is a rectangle, H is a rhombus with no right angles, I is a trapezoid, and J is a square

Exercise 12 - Complete the table

Shape	4 equal sides?	4 right angles?
Square	?	?
Rectangle that is not a square	?	?
Rhombus that is not a square	?	?

Write yes or no for each question mark.

Exercise 13 - Fix the claim

Noah says, "A trapezoid is a rectangle because it has 4 sides." Explain what is wrong.

Exercise 14 - One part of six

A tray is cut into 6 parts with equal area. What fraction of the tray is one part?

Exercise 15 - Shaded part

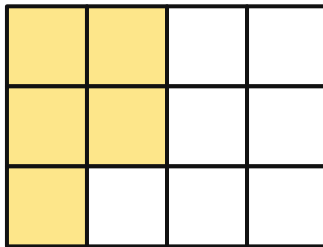
The rectangle is cut into equal parts. What fraction is shaded?



A rectangle cut into 4 equal columns with the first column shaded

Exercise 16 - Is it a third?

A tray of brownies is cut into 12 squares with equal area. Exactly 5 squares are shaded. Is the shaded part $\frac{1}{3}$ of the tray? Explain.



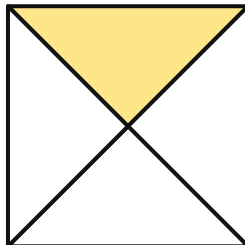
A tray of 12 equal squares in 4 columns and 3 rows with 5 squares shaded

Exercise 17 - Cracker pieces

Ethan cuts a square cracker into 8 pieces with equal area. He eats 1 piece. What fraction of the cracker is the piece he eats?

Exercise 18 - Quilt block

Aisha cuts a square quilt block along both diagonals. The 4 triangles have equal area. She colors the top triangle yellow. What fraction of the block is yellow?



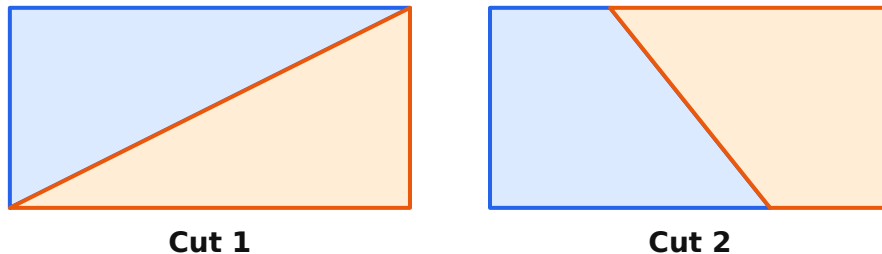
A square quilt block cut by both diagonals into 4 triangles of equal area, with the top triangle shaded

Exercise 19 - Brownie pan

Liam bakes brownies in a rectangular pan and cuts it into 6 equal pieces. His sister takes 1 piece. What fraction of the whole pan is her piece?

Exercise 20 - Two ways to halve

Sofia cuts one sandwich with Cut 1 and another sandwich with Cut 2. Both sandwiches are the same rectangle. Does each cut make halves? Explain.



Two copies of a 200 by 100 rectangle. Cut 1 is a diagonal line making 2 triangles. Cut 2 is a slanted line making 2 trapezoids. Each cut makes two parts of equal area

Exercise 21 - Garden beds

Maya's garden is a rectangle made of 12 equal squares, 6 squares in each of 2 rows. She splits it into 3 beds with equal area. How many squares does each bed have? What fraction of the garden is one bed?

Exercise 22 - Cut the shape

Diego draws a quadrilateral with 4 equal sides and 4 right angles. He cuts it into 4 parts with equal area using two straight lines. Name Diego's shape. What fraction is each part? Name one shape the parts could be.

Exercise 23 - Comparing pieces

Priya cuts a square napkin into 2 equal parts. Jamal cuts an identical napkin into 4 equal parts. Whose pieces are smaller? Write each fraction.

Exercise 24 - Folded strip

Carlos folds a paper strip into 5 parts with equal area. He says each part is $\frac{1}{5}$ of the strip. Find his mistake and write the correct fraction.

Key facts behind this quadrilaterals practice worksheet

Key facts

- A quadrilateral has exactly 4 straight sides and 4 corners.
- A rhombus has 4 equal sides; a rectangle has 4 right angles.
- A square is a rhombus and a rectangle at the same time.
- Some quadrilaterals are not rhombuses, rectangles, or squares.
- Equal parts have equal area, and each of n equal parts is $\frac{1}{n}$ of the whole.

How to use this quadrilaterals practice 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 quadrilaterals practice worksheet as a PDF with the button below and keep it with your notes.

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