

Grade 2 · Shapes and Equal Shares · Worksheet

Common Core 2.G.A.1, 2.G.A.2, 2.G.A.3 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

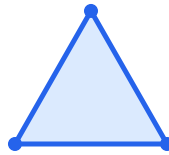
These 24 problems practice the Grade 2 geometry standards 2.G.A.1, 2.G.A.2, and 2.G.A.3. Students name triangles, quadrilaterals, pentagons, hexagons, and cubes, count squares in rows and columns, and describe halves, thirds, and fourths of circles and rectangles.

The problems start with easy shape counting and finish with word problems. Look closely at each picture before you answer, and write full answers.

Grade 2 Common Core: 2.G.A.1 · 2.G.A.2 · 2.G.A.3

Problem 1: Count the sides

Look at shape A. How many sides and how many vertices does it have? Write the name of the shape.



A

Shape A.

Problem 2: Name the quadrilateral

Shape B has 4 sides. What do we call any shape with 4 sides? Then name shape B.



B

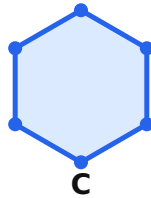
Shape B.

Problem 3: Five sides

A shape has 5 sides and 5 vertices. Write its name.

Problem 4: Count the vertices

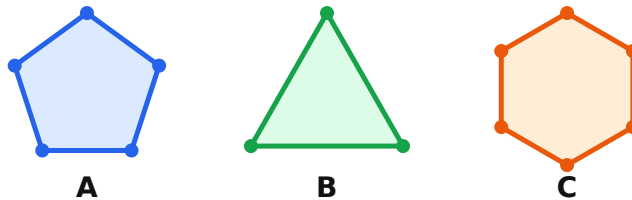
How many vertices does shape C have? Write its name.



Shape C.

Problem 5: Most and fewest sides

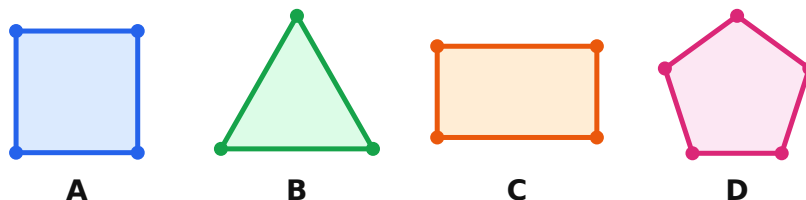
Which shape has the most sides? Which shape has the fewest sides?



Shapes A, B, and C.

Problem 6: Find the quadrilaterals

Which shapes are quadrilaterals? Write the letters.



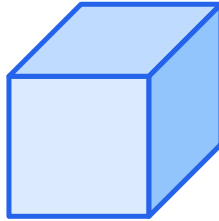
Shapes A, B, C, and D.

Problem 7: Draw a square

Draw a quadrilateral with 4 equal sides and 4 square corners. What is it called?

Problem 8: Faces of a cube

How many faces does this cube have?



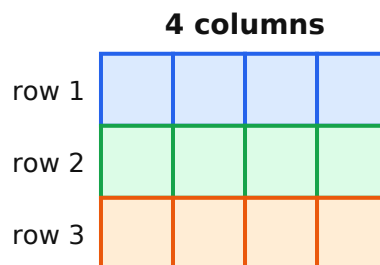
A cube.

Problem 9: Shape of a face

Sam rolls a number cube. Each face has the same shape. Name the shape and tell how many sides it has.

Problem 10: Rows and columns

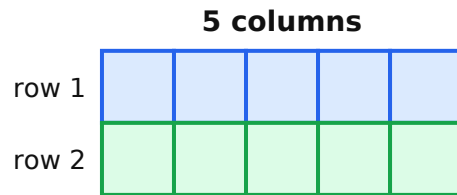
Count the rows and the columns. Then find how many squares there are in all.



A rectangle of squares.

Problem 11: Count the squares

Write an addition sentence for the squares. Then write the total.



A rectangle of squares.

Problem 12: Repeated addition

A rectangle has 4 rows. Each row has 3 squares. Write an addition sentence to find the total.

Problem 13: Draw rows and columns

Draw a rectangle that has 3 rows and 3 columns of equal squares. How many squares are there?

Problem 14: Floor tiles

Mr. Lopez covers a small floor with square tiles. He puts 5 rows of 4 tiles. How many tiles does he use?

Problem 15: One half

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



A rectangle cut into equal shares.

Problem 16: One third

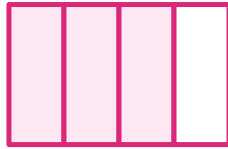
What part of the circle is shaded? Write the answer in words.



A circle cut into equal shares.

Problem 17: Three fourths

The rectangle is cut into equal shares. How many fourths are shaded? Write the answer in words.



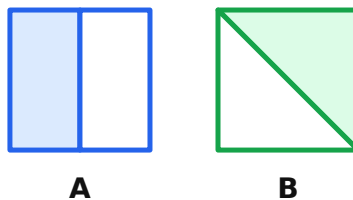
A rectangle cut into fourths.

Problem 18: Cut a circle

Draw lines to cut a circle into 4 equal shares. What is each share called?

Problem 19: Same size, new shape

Two same-size squares are each cut in half, as shown. Are the shares in A halves? Are the shares in B halves?



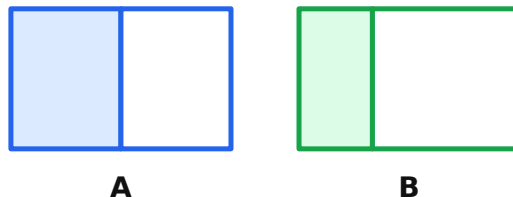
A

B

Two ways to cut a square in half.

Problem 20: Which shows halves?

Which rectangle is cut into halves, A or B? Explain.



A

B

Rectangles A and B.

Problem 21: Sandwich halves

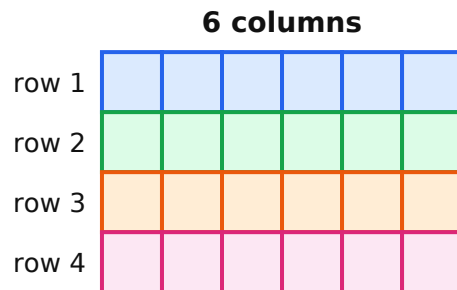
Mia cuts a sandwich into 2 equal shares. She eats 1 share. What part of the sandwich did she eat? How many halves make the whole sandwich?

Problem 22: Pizza fourths

Jamal cuts a pizza into 4 equal slices. He eats 1 slice. What part of the pizza did he eat? How many fourths are left?

Problem 23: Garden plants

Priya plants seeds in 4 rows. Each row has 6 seeds. How many seeds does she plant?



4 rows of 6 squares, one square for each seed.

Problem 24: Cracker thirds

Diego breaks a cracker into 3 equal shares. He gives one share to each friend. How many friends get a share? What do 3 thirds make?