

Grade 1 - 2D and 3D Shapes - Answer Key

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

This **shapes practice solutions** for 1st Grade covers 2d and 3d shapes (Common Core 1.G.A.1, 1.G.A.2), with a free PDF to print.

This answer key explains all 20 shape problems. Check the number of sides and corners first. Then check the name. Fix any mistake and try the problem again.

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

Shapes practice solutions: exercises 1 to 10

Exercise 1 - Name the shape

It has 3 sides and 3 corners.

Triangle

Exercise 2 - Count the corners

A circle is round. It has no corners.

0 corners

Exercise 3 - Equal sides

The shape has 4 sides. All the sides are the same length.

4 sides, yes

Exercise 4 - Sides and corners

Count the sides: 1, 2, 3, 4. Count the corners: 1, 2, 3, 4.

4 sides and 4 corners

Exercise 5 - Different triangles

Each triangle has 3 sides, even when it is big, small, or turned.

3, 3, 3

Exercise 6 - Upside down

Turning a shape does not change its sides or corners.

True

Exercise 7 - Big and small

Size does not change a defining attribute.

True

Exercise 8 - Name a 3D shape

It has 6 flat faces, and each face is a square.

Cube

Exercise 9 - Name a rolling shape

It has 2 flat circles and a curved side.

Cylinder

Exercise 10 - Name a pointed shape

It has 1 flat circle and one point.

Cone

Exercises 11 and up

Exercise 11 - Count the flat faces

Top, bottom, front, back, left, and right make 6 faces.

6 flat faces

Exercise 12 - Find the cylinder

Shape A has 6 flat faces. Shape C has 1 flat circle and a point. Shape B has 2 flat circles.

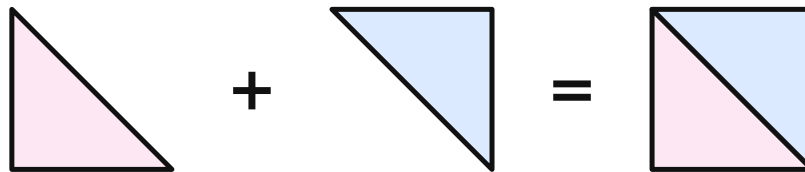
B

Exercise 13 - Color does not matter

Sides and corners are defining attributes. Color is not.

The color pink

Exercise 14 - Join two triangles

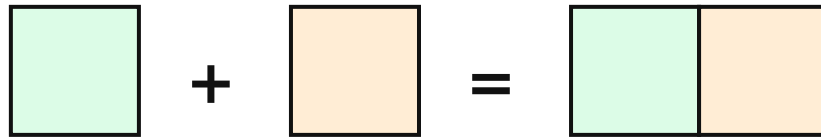


The two triangles make one square.

The new shape has 4 equal sides and 4 corners.

A square

Exercise 15 - Join two squares



Two squares side by side.

The new shape has 4 sides and 4 corners. Two sides are longer than the other two.

A rectangle

Exercise 16 - Four small squares



4 small squares

2 rows of 2 squares.

All the sides of the big shape are the same length.

A square with 4 sides

Exercise 17 - Soup can

The can is a cylinder. It has a flat circle on the top and a flat circle on the bottom.

Cylinder, 2 flat faces

Exercise 18 - Mystery block

Six square faces make a cube.

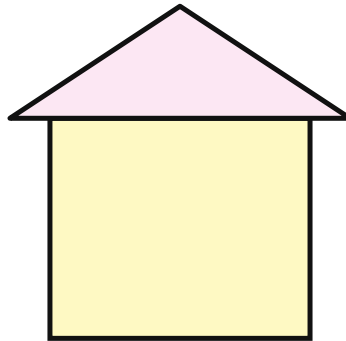
A cube

Exercise 19 - Corners in all

The triangle has 3 corners. Each square has 4 corners, so two squares have $4+4=8$. Then $3+8=11$.

11 corners

Exercise 20 - Shape picture



roof: triangle

wall: square

The roof is a triangle and the wall is a square.

- a. **Triangle**
- b. **4 sides**
- c. $1+1=2$. **2 shapes**

Key facts behind this shapes practice solutions

Key facts

- A triangle has 3 sides and 3 corners.
- A square has 4 sides that are all the same length. A rectangle has 4 sides and 4 corners.
- Color, size, and turning do not change the name of a shape.
- A cube has 6 flat faces. A cylinder has 2. A cone has 1.
- Two shapes can be put together to make a new shape.

How to use this shapes practice solutions

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.