

# Grade 1 · 2D and 3D Shapes · Worksheet

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

Name: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Score: \_\_\_\_\_

These 23 problems practice 2D and 3D shapes. Students name shapes, count sides and corners, decide which attributes are defining, and put shapes together to make new shapes (1.G.A.1 and 1.G.A.2).

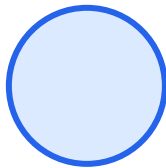
The first problems are about naming and counting. The last six are short word problems with shapes and solids.

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

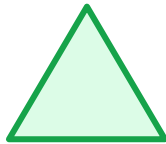
### Problem 1: Naming shapes

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Look at the shapes. Which letter shows the triangle?



**A**



**B**



**C**



**D**

Shapes A, B, C and D.

### Problem 2: Counting sides

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How many sides does this shape have?

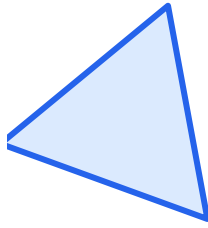


Count each straight side.

### Problem 3: Counting corners

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How many corners does this triangle have?



A turned triangle.

### Problem 4: Square or rectangle

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A shape has 4 sides that are all the same length. It has 4 square corners. What is the shape?

### Problem 5: Round shapes

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Answer yes or no. (a) Does a circle have straight sides? (b) Does a circle have corners?

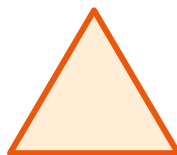
### Problem 6: Color does not matter

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Ben colored one triangle blue and one triangle orange. Are both shapes triangles? Write yes or no.



**blue**



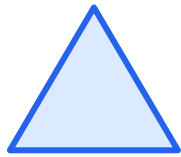
**orange**

Two triangles.

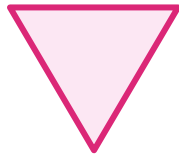
### Problem 7: Size and turn

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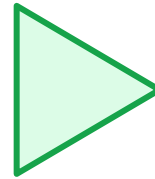
Are all three shapes triangles? Write yes or no.



**A**



**B**



**C**

Shapes A, B and C.

### Problem 8: Defining or not

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Here are facts about a triangle. Write D if the fact is a defining attribute. Write N if it is not.

- a. It has 3 straight sides.
- b. It is red.
- c. It points up.
- d. It is closed.

### Problem 9: Not a triangle

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Which shapes are NOT triangles? Write the letters.



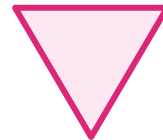
**A**



**B**



**C**



**D**

Shapes A, B, C and D.

### Problem 10: Drawing a shape

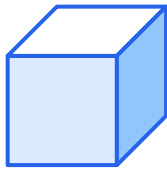
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Draw a closed shape with 4 sides of the same length and 4 square corners. Write its name.

### Problem 11: Name the solid

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Which solid is the cone? Write the letter.



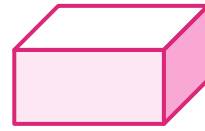
**A**



**B**



**C**



**D**

Solids A, B, C and D.

### Problem 12: Solids in real life

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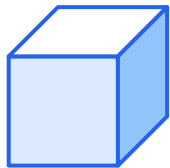
Write the name of the 3D shape. Use cube, cone, or cylinder.

- a. a can of soup
- b. a party hat
- c. a number cube

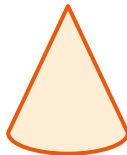
### Problem 13: No circles

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A cube, a cone, and a cylinder are shown. Which 3D shape has NO flat circle?



**cube**



**cone**



**cylinder**

Three solids.

### Problem 14: Two triangles

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Two triangles of the same size are slid together along their longest sides. What shape do they make?



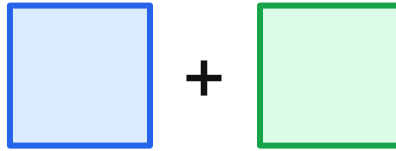
2 triangles

Two triangles.

### Problem 15: Two squares

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Two squares of the same size touch along one side. What shape do they make?



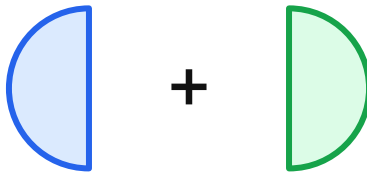
2 squares

Two squares.

### Problem 16: Two half circles

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Two half circles of the same size are put together along the straight edge. What shape do they make?



2 half circles

Two half circles.

### Problem 17: Counting cubes

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Count the cubes in the tower. How many cubes are there?

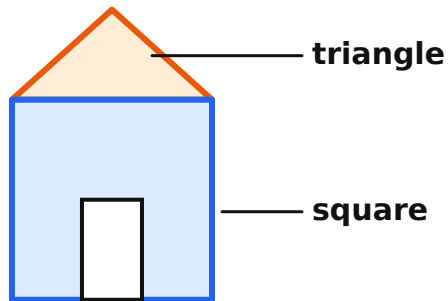


A tower of cubes.

### Problem 18: Sofia builds a house

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Sofia builds a house from a square and a triangle. How many sides do the two shapes have in all?



A square and a triangle make a house.

### Problem 19: Jamal joins squares

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Jamal has 6 squares. He joins 2 squares to make each rectangle. How many rectangles can he make?

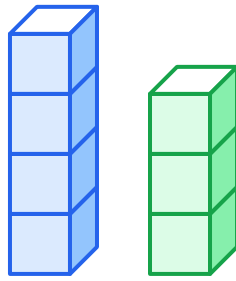


Six squares.

### Problem 20: Two towers

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Mei builds a tower of 4 cubes. Noah builds a tower of 3 cubes. How many cubes do they use in all?

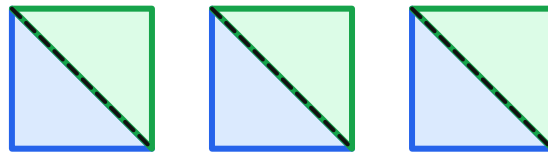


Two towers.

### Problem 21: Aisha cuts squares

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Aisha cuts each square from corner to corner. Each square becomes 2 triangles. How many triangles will she have from 3 squares?



Three cut squares.

### Problem 22: Mystery shape

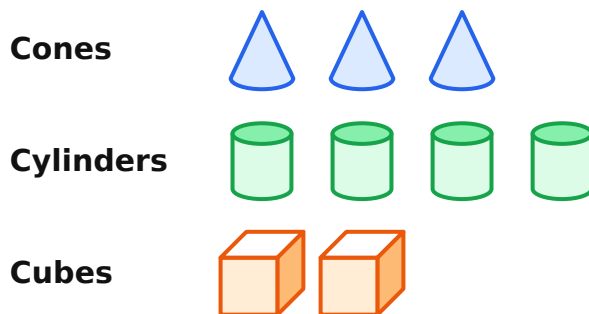
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Diego says: "I have 4 sides that are the same length and 4 square corners." (a) What shape is Diego describing? (b) How many corners do 2 of these shapes have in all?

### Problem 23: Sorting solids

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Liam sorted his solids. (a) How many solids does Liam have in all? (b) How many more cylinders than cubes does he have?



Liam's solids.