

Grade 2 - Shapes and Equal Shares - Quiz

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 quiz** 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.

Answer these 10 multiple-choice questions on polygons, cubes, rows and columns, and equal shares. Pick the one best answer for each. Several questions have a picture to study first. Check your score with the explanations.

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

Shapes equal shares quiz: 10 questions

Questions

Question 1

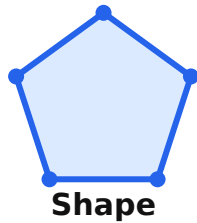


A polygon.

What is the name of this shape?

- A. pentagon
- B. quadrilateral
- C. hexagon
- D. triangle

Question 2



A polygon.

How many sides does this shape have?

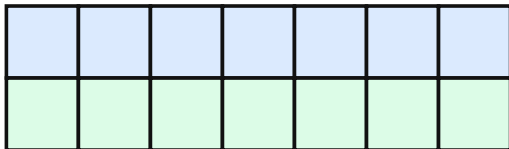
- A. 4 sides
- B. 6 sides
- C. 3 sides
- D. 5 sides

Question 3

Rosa rolls a game die that is shaped like a cube. How many flat sides does the die have?

- A. 6 faces
- B. 4 faces
- C. 8 faces
- D. 12 faces

Question 4



A rectangle of squares.

How many squares are in this rectangle?

- A. 9
- B. 12
- C. 14
- D. 16

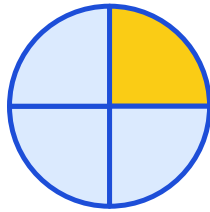
Question 5

Which shape has 3 sides and 3 angles?

- A. quadrilateral
- B. triangle
- C. pentagon

D. hexagon

Question 6



Circle

A circle.

What part of the circle is shaded?

- A. one fourth
- B. one half
- C. one third
- D. four fourths

Question 7

How many thirds make one whole?

- A. 2
- B. 4
- C. 6
- D. 3

Question 8

A pie is cut into 3 equal slices. Ben eats 2 slices. What part of the pie did he eat?

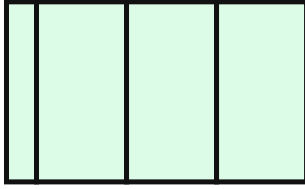
- A. 2 halves
- B. 2 thirds
- C. 3 thirds
- D. 1 third

Question 9

Two pizzas are the same size. One is cut into halves and the other into fourths. Which piece is bigger?

- A. a half
- B. a fourth
- C. They are the same size.
- D. It is impossible to tell.

Question 10



Rectangle

A rectangle cut into 4 parts.

Why is this rectangle not cut into fourths?

- A. The rectangle has too few parts.
- B. The 4 parts are not the same size.
- C. The parts are not squares.
- D. Fourths must be triangles.

Answers

1. **C** – Count 6 sides, so the shape is a hexagon. A pentagon has only 5 sides.
2. **D** – Count each side once: there are 5, so it is a pentagon. Skipping a side or counting one twice gives 4 or 6.
3. **A** – A cube has 6 square faces: front, back, top, bottom, left, and right. Counting only the 3 faces in a picture gives 3.
4. **C** – There are 2 rows of 7 squares: $7 + 7 = 14$. Adding $2 + 7$ gives 9, which is a common mistake.
5. **B** – A triangle has 3 sides and 3 angles. The tri- in its name means three.
6. **A** – The circle has 4 equal shares and 1 is shaded, so one fourth is shaded.
7. **D** – A whole cut into 3 equal shares has 3 thirds. Two shares would be halves.
8. **B** – Each slice is one third, and Ben ate 2 of them. All 3 thirds would be the whole pie.
9. **A** – A pizza cut into fewer equal shares has bigger shares, so a half is bigger than a fourth.
10. **B** – Fourths are 4 equal shares. Here the left part is much smaller than the others. Equal shares do not have to be squares.

Remember

Remember

- 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 quiz

Answer each question, read the explanation that appears, and keep track of your score. A score of 8 out of 10 or more means you are ready for the test.

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