Unit 12 · Shapes and Equal Shares Cheat Sheet

Unit 12 focus: defining attributes, naming shapes and composing shapes

1 BIG IDEA

A shape's name comes from its sides and corners and whether it is closed, not from its color, size, or how it is turned.

2 IMPORTANT VOCABULARY

side	A straight line that is part of a shape.	a triangle has 3 sides
corner	Where two sides meet. Also called a vertex.	a square has 4 corners
closed shape	A shape with no gaps in its sides.	a triangle is closed
hexagon	A closed shape with 6 sides and 6 corners.	the yellow pattern block

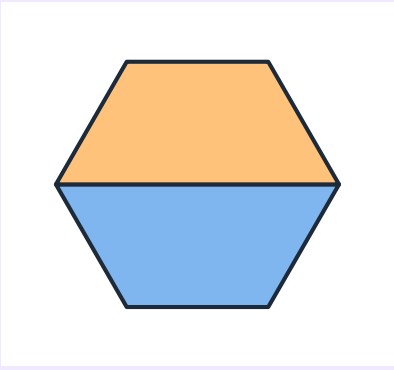
3 HOW IT WORKS

Name a closed shape with 4 sides and 4 square corners, with 2 long and 2 short sides.

Example: 4 sides
Count sides: 4
Square corners: 4

Answer: rectangle

4 VISUAL MODEL



2 trapezoids make a hexagon.

5 ★ REMEMBER THIS · WATCH OUT!

★ Remember this

- Triangle 3 sides, rectangle 4, hexagon 6.
- Solids: cube, rectangular prism, cylinder, cone.

⚠ Watch out!

- **A turned square is a “diamond”:** it is still a square
- **An open figure:** it must be closed to be a shape

6 TRY IT!

1. Sides on 2 triangles

   Answer: 9

2. Triangles in a hexagon

   Answer: 9

Answers are printed upside down. Turn the page to check!

Unit 12 · Shapes and Equal Shares Cheat Sheet

More practice: halves and fourths, and more shares are smaller shares

1 BIG IDEA

Equal shares are the same size. Two equal shares are halves. Four equal shares are fourths, or quarters.

2 IMPORTANT VOCABULARY

halves	2 equal shares of a whole.	half of a sandwich
fourths	4 equal shares of a whole. Also called quarters.	a fourth of a pizza
cube	A solid with 6 square faces.	a number cube
cylinder	A solid with 2 circle faces and a curved side.	a can

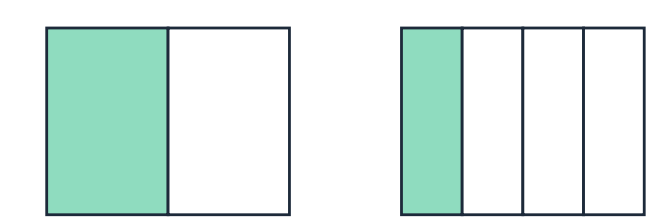
3 HOW IT WORKS

A pizza is cut into 4 equal shares. What is one share called?

Example: 4 equal shares
4 equal shares: fourths
One share: one fourth

Answer: a fourth (a quarter)

4 VISUAL MODEL



Same rectangle: one half is bigger than one fourth.

5 ★ REMEMBER THIS · WATCH OUT!

★ Remember this

- 2 halves or 4 fourths make one whole.
- More equal shares means smaller shares.

⚠ Watch out!

- **Unequal parts:** they are not halves or fourths
- **A fourth is bigger than a half?:** no: a half is bigger

6 TRY IT!

1. How many halves make a whole?
   Answer: 2
2. 4 fourths, 1 eaten. How many left?
   Answer: 3

Answers are printed upside down. Turn the page to check!