

Draw, Share, and Find Shapes

Draw by clues, make equal shares, and notice shapes around you.

GRADE 2 • 2.GSR.7

2.GSR.7 "Draw and partition shapes and other objects with specific attributes, and conduct observations of everyday items and structures to identify how shapes exist in the world."

NAME _____

DATE _____

Use a pencil. Draw on the grids or in the blank boxes. You may tell your explanations to a partner or teacher.

Shapes have attributes

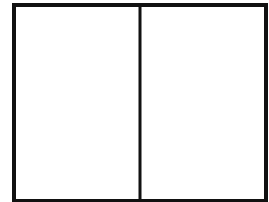
A triangle has 3 straight sides. A rectangle has 4 straight sides and 4 square corners. Equal shares cover the same amount of a whole.

Try it together

Two equal shares

How can we split this rectangle into two equal shares?

Draw a middle line from top to bottom. Compare the amounts on both sides. Each share covers the same amount of the rectangle.



1. Draw a triangle

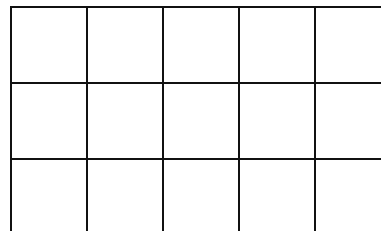
Draw a closed shape with 3 straight sides. Mark each corner with a dot.



2. Draw a rectangle

Use the grid to draw a rectangle that is wider than it is tall. Tell how many square corners it has.

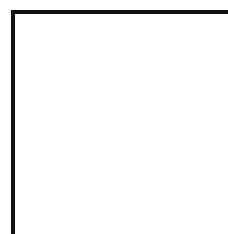
Drawing grid



3. Make four equal shares

Draw lines in this square to make 4 equal shares. Point to one share.

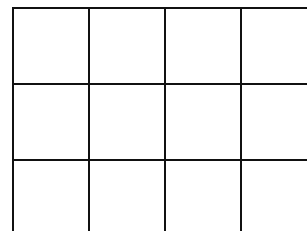
Your square



4. Make equal halves

Shade 6 squares in the grid. Count the unshaded squares. Are the two shares equal?

12 equal squares



5. Notice a real object

Look at a book, box, door or another nearby object. Draw the shape of one flat face. Name the shape and one attribute.



6. Plan a window

Draw a rectangular window. Divide it into 4 equal panes. Explain how you know the panes are equal.



7. Compare your drawings

Choose two shapes you drew. Tell one attribute they share and one way they differ.

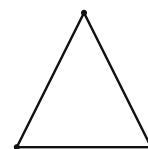
Teacher notes

Assess actual drawings, equal partitions and observations. A picture of one face represents a flat shape; the whole book or box is a solid object. Accept supported oral explanations. Models are examples, not the only valid solutions.

Task 1

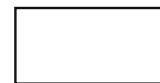
Accept any nondegenerate triangle with 3 straight sides and 3 marked corners.

One triangle

**Task 2**

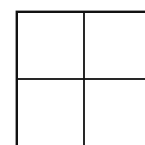
One answer is a rectangle 4 squares wide and 2 squares tall. It has 4 square corners.

A wide rectangle

**Task 3**

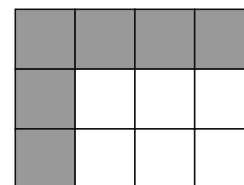
A vertical middle line and a horizontal middle line make 4 equal squares. Each is one fourth of the whole.

Four equal shares

**Task 4**

There are 6 shaded and 6 unshaded squares, so the two shares are equal in area. Many shading patterns work.

One possible answer



Task 5

Answers vary. A book cover may have a rectangular face with 4 straight sides and 4 square corners. Assess the actual chosen object and drawing.

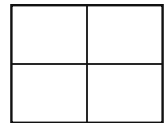
Check that the named attribute is visible in the drawing and in the actual object.

Task 6

One window plan

Accept four equal rectangles or squares within a rectangular whole. Equal spacing should make the panes cover equal amounts.

Check that the partition lines divide the width and height equally.

**Task 7**

Answers vary. A triangle and rectangle both have straight sides; the triangle has 3 sides and the rectangle has 4. Base the comparison on the student drawings.