

Varied Fluency

Step 2: Count Sides on 2D Shapes

National Curriculum Objectives:

Mathematics Year 2: (2G1a) [Compare and sort common 2-D shapes and everyday objects](#)

Mathematics Year 2: (2G2a) [Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line](#)

Differentiation:

Developing Questions to support counting sides on 2D shapes. Includes regular shapes only. All shapes presented in the same orientation and size. Word banks provided where necessary.

Expected Questions to support counting sides on 2D shapes. Includes regular and some irregular shapes. All shapes presented in different orientations and sizes. Word banks provided where necessary.

Greater Depth Questions to support counting sides on 2D shapes. All shapes presented in different orientations and sizes. Includes irregular shapes and some regular shapes. No word banks provided.

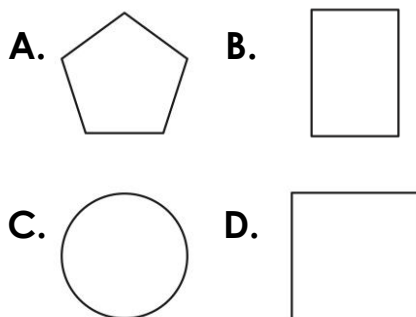
More [Year 2 Properties of Shape](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Count Sides on 2D Shapes

Count Sides on 2D Shapes

1a. Which shape has 1 side?



This shape is called a _____.

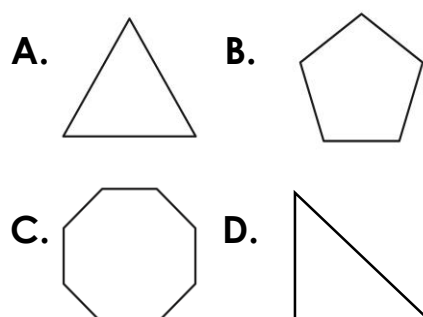
square

circle



VF

1b. Which shapes have 3 sides?



These shapes are called _____.

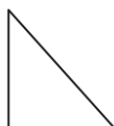
triangles

hexagons



VF

2a. How many sides does the shape below have?



This shape is called a _____.

triangle

rectangle



VF

2b. How many sides does the shape below have?



This shape is called a _____.

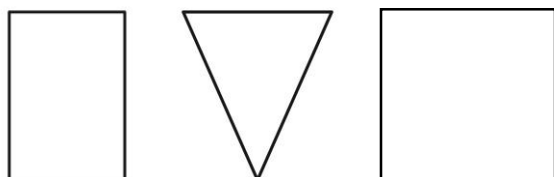
hexagon

pentagon



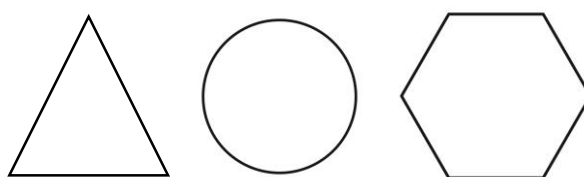
VF

3a. How many sides do the shapes below have altogether?



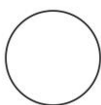
VF

3b. How many sides do the shapes below have altogether?



VF

4a. Complete the table below.

Shape	Straight Sides	Curved Sides
A. 		
B. 		



VF

4b. Complete the table below.

Shape	Straight Sides	Curved Sides
A. 		
B. 		

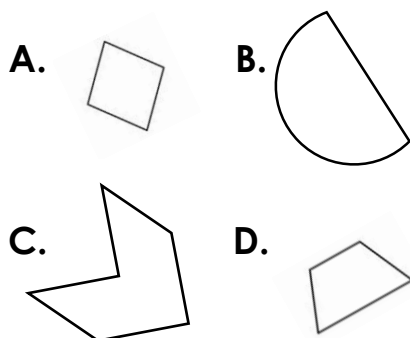


VF

Count Sides on 2D Shapes

Count Sides on 2D Shapes

5a. Which shapes have 4 sides?



These shapes are called _____.

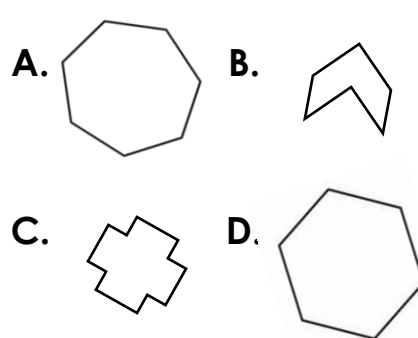
quadrilaterals

pentagons



VF

5b. Which shapes have 6 sides?



These shapes are called _____.

octagons

hexagons



VF

6a. How many sides does the shape below have?



This shape is called an _____.

hexagon

octagon



VF

6b. How many sides does the shape below have?



This shape is called an irregular _____.

pentagon

rectangle



VF

7a. How many sides do the shapes below have altogether?



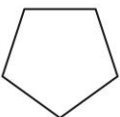
VF

7b. How many sides do the shapes below have altogether?



VF

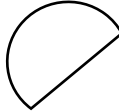
8a. Complete the table below.

Shape	Straight Sides	Curved Sides
A. 		
B. 		



VF

8b. Complete the table below.

Shape	Straight Sides	Curved Sides
A. 		
B. 		

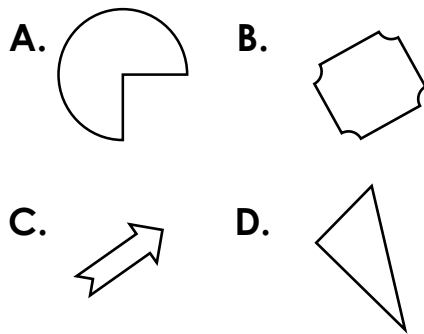


VF

Count Sides on 2D Shapes

Count Sides on 2D Shapes

9a. Which shapes have 8 sides?

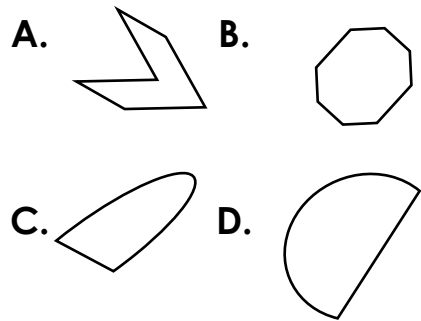


These shapes are called _____.



VF

9b. Which shapes have 2 sides?

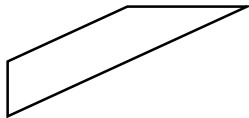


These shapes are called _____.



VF

10a. How many sides does the shape below have?

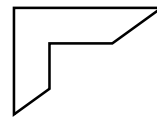


This shape is called a _____.



VF

10b. How many sides does the shape below have?

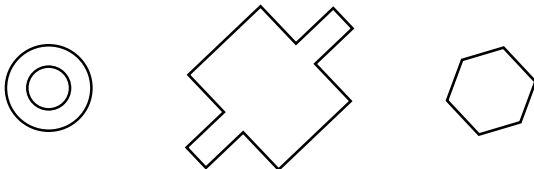


This shape is called an irregular _____.



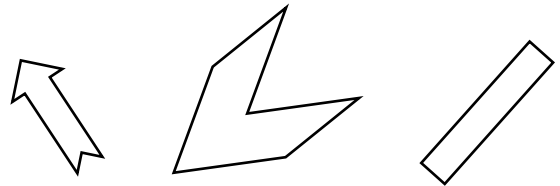
VF

11a. How many sides do the shapes below have altogether?



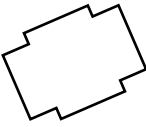
VF

11b. How many sides do the shapes below have altogether?



VF

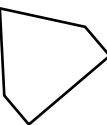
12a. Complete the table below.

Shape	Straight Sides	Curved Sides
A. 		
B. 		



VF

12b. Complete the table below.

Shape	Straight Sides	Curved Sides
A. 		
B. 		



VF

Varied Fluency Count Sides on 2D Shapes

Developing

- 1a. C. This shape is called a circle.
- 2a. 3 sides. This shape is called a triangle.
- 3a. 11
- 4a. Shape A = 6 straight sides, 0 curved sides; Shape B = 0 straight sides, 1 curved side

Expected

- 5a. A and D. These shapes are called quadrilaterals.
- 6a. 8 sides. This shape is called an octagon.
- 7a. 11
- 8a. Shape A = 5 straight sides, 0 curved sides; Shape B = 2 straight sides, 1 curved side

Greater Depth

- 9a. B and C. These shapes are called octagons.
- 10a. 4 sides. This shape is called a quadrilateral.
- 11a. 20
- 12a. Shape A = 2 straight sides, 2 curved sides; Shape B = 12 straight sides, 0 curved sides

Varied Fluency Count Sides on 2D Shapes

Developing

- 1b. A and D. These shapes are called triangles.
- 2b. 5 sides. This shape is called a pentagon.
- 3b. 10
- 4b. Shape A = 0 straight sides, 1 curved side; Shape B = 4 straight sides, 0 curved sides

Expected

- 5b. B and D. These shapes are called hexagons.
- 6b. 5 sides. This shape is called a pentagon.
- 7b. 15
- 8b. Shape A = 1 straight side, 1 curved side; Shape B = 4 straight sides, 0 curved sides

Greater Depth

- 9b. C and D. These shapes are called semi-circles.
- 10b. 6 sides. This shape is called a hexagon.
- 11b. 18
- 12b. Shape A = 5 straight sides, 0 curved sides; Shape B = 0 straight sides, 2 curved sides