MATH

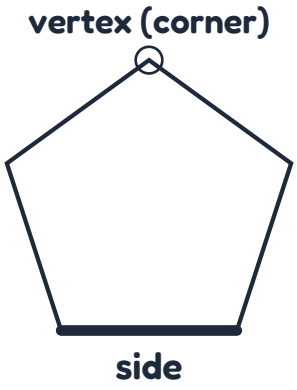
Sides and vertices

Name _____ Date _____

I can count the sides and vertices of a shape and name it.

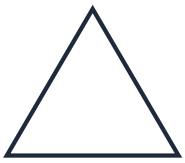
1 Sides and vertices

A side is a straight line on the edge of a shape.
A vertex is a corner, where two sides meet.
Most flat shapes have the same number of sides and vertices: a pentagon has 5 sides and 5 vertices.



2 Count the sides and vertices

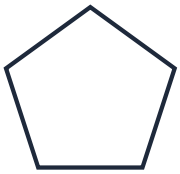
Put a dot on each vertex as you count.



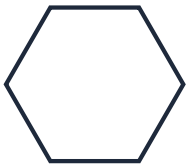
sides ☐
vertices ☐



sides ☐
vertices ☐



sides ☐
vertices ☐



sides ☐
vertices ☐

How did I do? ☆ ☆ ☆

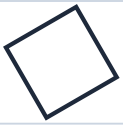
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Shape detective

Name _____ Date _____

I can count sides and vertices and name the shape.

Word bank: triangle | square | rectangle | rhombus | trapezoid | pentagon | hexagon | octagon

Shape	Sides	Vertices	Name
			
			
			
			
			
			
			
			

How did I do? ☆ ☆ ☆

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Draw the shape

Name _____ Date _____

I can draw a shape when I know its sides or vertices.

1 Join the dots with a ruler to draw each shape

Draw a shape with 3 sides.

Draw a shape with 4 sides.

Draw a shape with 5 vertices.

Draw a shape with 6 sides.

Draw a 4-sided shape that is not a square.

Draw a shape with 8 vertices.

How did I do? ☆ ☆ ☆

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Word problems

Name _____ Date _____

I can use what I know about shapes to solve problems.

1 Read, think, answer

Draw the shapes to help you.

1 Zara drew 3 triangles and 2 squares. How many sides are there in all?

Answer: _____

2 A stop sign is an octagon. How many vertices does it have?

Answer: _____

3 Ali drew a shape with 5 sides and 5 vertices. What is it called?

Answer: _____

4 How many more sides does a hexagon have than a triangle?

Answer: _____

How did I do? ☆ ☆ ☆

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FOR TEACHERS AND PARENTS

Answer key: sides and vertices

1 Page 1

Triangle 3 and 3, rectangle 4 and 4, pentagon 5 and 5, hexagon 6 and 6 (sides and vertices).

2 Page 2

trapezoid: 4 and 4; pentagon: 5 and 5; octagon: 8 and 8; rhombus: 4 and 4; triangle: 3 and 3; square: 4 and 4; hexagon: 6 and 6; rectangle: 4 and 4.

3 Page 3

Answers will vary. Check that each drawing has the right number of straight sides and vertices, and that the 4-sided shape is not a square.

4 Page 4: word problems

1) 17 sides (3 x 3 + 2 x 4)
2) 8 vertices
3) a pentagon
4) 3 more sides (6 - 3)

5 Teaching tip

Ask children to mark each vertex with a dot before they count. Counting the dots stops them counting the same corner twice.

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