

Year 2 Shape Vocabulary

Year 2 Maths Shape Word Mat

2D

straight line curved line

corner side

square rectangle circle triangle

3D

face vertices

edge

cube rectangular prism sphere pyramid

rhombus octagon pentagon cone kite square based pyramid hexagon cylinder

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P.1 Recognise 2D and 3D Shapes

*Remember 2D shapes are flat!

Match the names of the shapes to the pictures.

Square

Triangle

Rectangle

Circle



Go on a shape hunt around school.
Create a tally of the shapes you see.

Can you see any pentagons?

Can you see any octagons?

Can you see any hexagons?

What was the most common shape?

Look around for 3D shapes. Can you find an example of a

Cube

Cylinder

Cone

What do you notice about each shape?

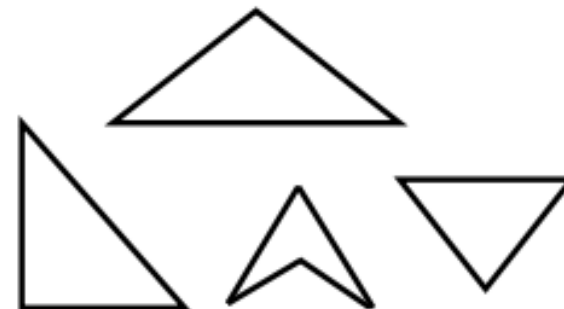
Which shape is the odd one out?

Explain why.



Which shape is the odd one out?

Explain your reasoning.



I'm thinking of a
2-D shape with
more than 3
sides.

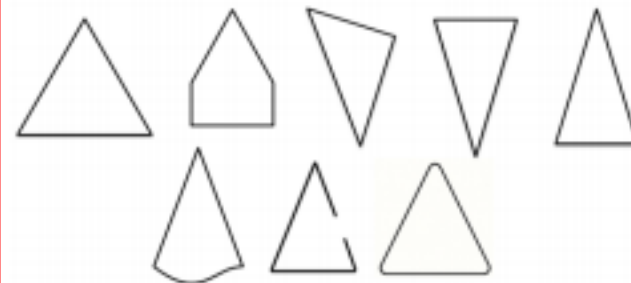


What shape could Whitney be thinking of?

Are there any other shapes it could be?

What shape is Whitney definitely not thinking about? How do you know?

Use true or false to say which shapes are triangles.



P.2 Counting Sides on 2D Shapes

Match the shapes to the number of sides.

Six

Four






Three



Colour the four-sided shapes.



Complete the table.

Name	Shape	Number of sides
Pentagon		
Rectangle		
Square		
Triangle		
Hexagon		

Here are 18 lollipop sticks.
How many hexagons can you make?



How many octagons can you make?

What other shapes can you make with 18 lollipop sticks?

What could you use at home to make the shapes?

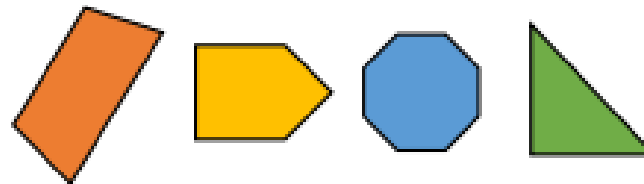
Mo makes a rectangle using the sticks.



How many identical rectangles could he make with 18 sticks?

Make your own rectangle. How many sticks did you use? Is your rectangle the same as your friend's?

If I put these shapes into order from the smallest number of sides to the largest, which shape would come third?



Where would a hexagon come in the list?
Why?

Maths Talk

What is a side?

How can you check that you have counted all the sides?

Do all four-sided shapes look the same?

Why do you think the shapes have the names that they do?

P.3 Counting Vertices on 2D Shapes

Maths talk

Show me a vertex.

Can you identify the vertices in this shape?

Would this be a vertex? Explain why.

If my shape has ___ vertices, what could my shape be?

What couldn't it be?

Amir says:

My shape has half the number of vertices as an octagon.



What shape could he have?

Match the shapes to the number of vertices.

Six

Four






Three



Colour the shapes with 4 vertices.



Complete the table.

Name	Shape	Number of vertices
Pentagon		
Rectangle		
Square		
Triangle		
Hexagon		

Put these shapes in order based upon the number of vertices they have.



Jack has created a pattern using shapes.



How many vertices does each step in the pattern have?

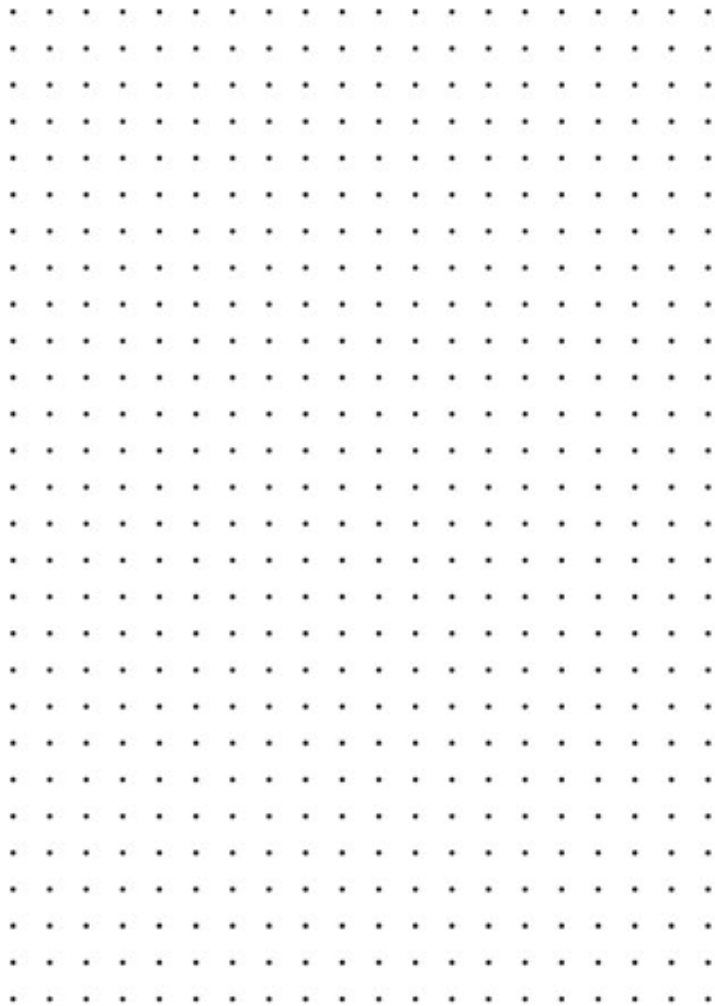
What do you notice?

Can you predict how many vertices the next step in the pattern will have?

Is there more than one way to continue the pattern?

Can you create your own pattern and explore how the vertices change?

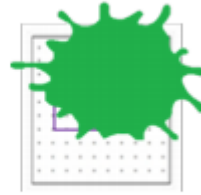
P.4 Drawing 2D Shapes



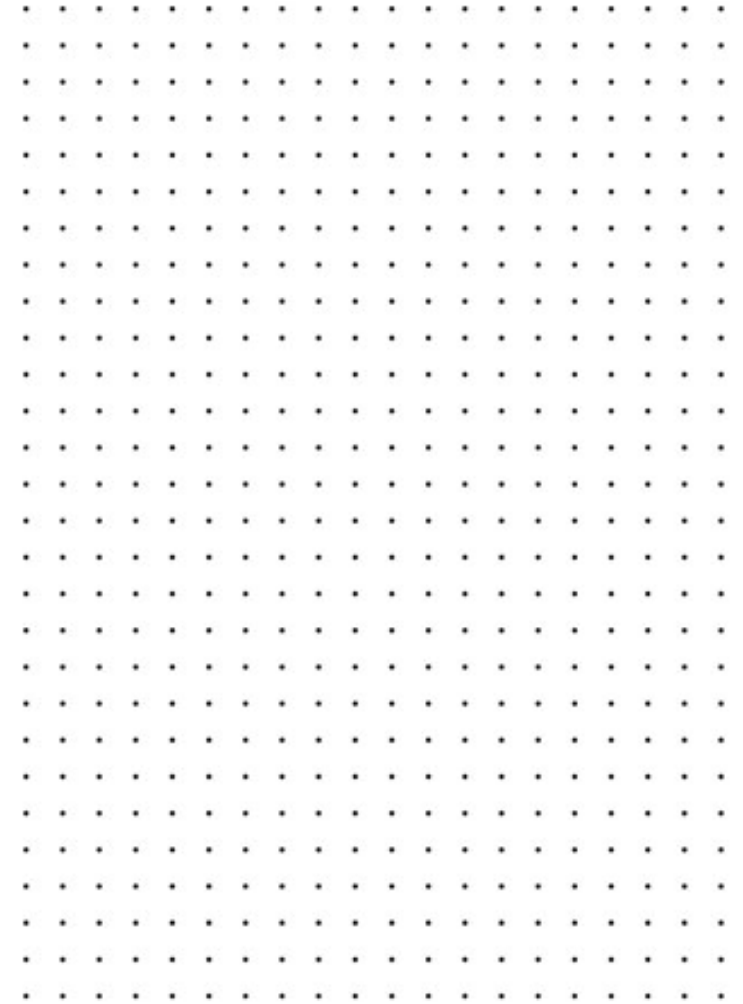
Can you draw a rectangle on dotted paper? Start at a vertex and use a ruler to draw your first straight side. How many straight sides will you need? Rotate the paper to help you draw the shape more accurately.

Try drawing other shapes in the same way.

What shape could be hiding under the spilt paint?



Prove your answer by drawing it.



Draw a large rectangle on squared paper or dotted paper.

Draw a square inside the rectangle.

Draw a triangle below the rectangle.

Draw a pentagon that is bigger than the square.