44 + 23 = 67
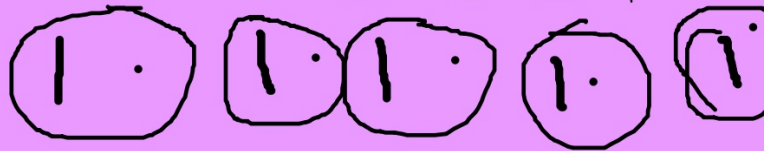
67 - 35 = 32

$\frac{2}{3}$ of 24

5 x 5 = 25

55 ÷ 5 = 11

Key Learning: to identify the names and properties of 2D Shapes

Success Criteria
- I can recognise, recap and name the 2D shapes
- I understand what sides and vertices are
- I can count the number of sides and vertices accurately

Deepening: irregular shapes   problem solving

Star Words:

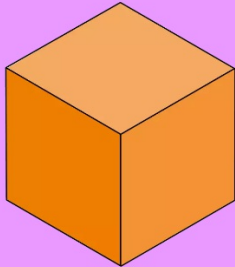2D   properties   vertices
shape   sides

🔑 What is a 2D shape?

A 2D shape is a shape which is _2 dimensional_. This means it is completely _flat_!

Is this a 2D shape?

👄 I think... because...

It is not a 2D shape because it is a cube which is a 3D shape!
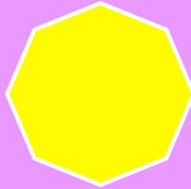
Let's recap our 2D shapes!

Circle

Square

Octagon

Pentagon

Hexagon

Rectangle

Triangle
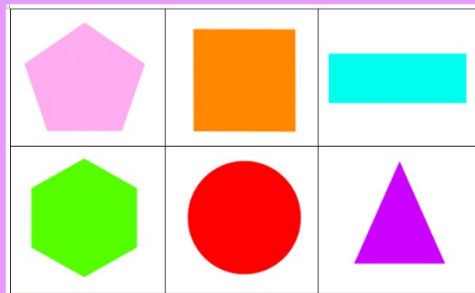
Oval

2D Shape Bingo!

You will get a sheet that looks like this, there are 4 different sheets with different shapes on!

When I say a shape, you need to cross it off on your sheet. When you have crossed off **all 6 shape**, say 'Bingo!'

Sides and Vertices

What is the **side** of a shape?

A line on a shape. Can you label one of the sides of this shape?

What are the **vertices** of a shape?

The points where two sides meet. Can you label the vertices on this shape?

Let's have a go!

How many **sides** does this shape have? **4**

How many **vertices** does it have? **4**

Miss Hughes says that this shape has one side and one vertices. Is she correct?

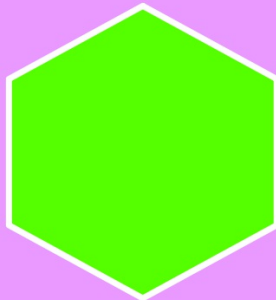I think... because...

She is incorrect! A circle does have one side, but it has no vertices because a shape needs at least two sides to make a vertices!

I am thinking of a 2D shape. It has 6 sides and 6 vertices. What could my shape be?

A hexagon!

I am thinking of a 2D shape. It has 4 sides and 4 vertices. What could my shape be?

It could be a square or a rectangle!

What if I said that my shape has 4 **equal** sides and 4 vertices?

Your turn

Stick each shape in the correct box.

| I have 1 side and 0 vertices	I have 3 sides and 3 vertices	I have 5 sides and 5 vertices
I have 2 long sides, 2 short sides and 4 vertices	I have 4 equal sides and 4 vertices	I have 8 sides and 8 vertices

1) Stick in your sheet

2) Cut out your shapes and stick them in the correct boxes (cut around the box not the shape itself)
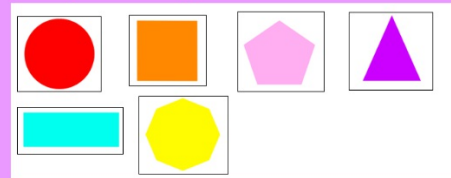
3) Label your shapes underneath

This shape is a pentagon. True or Fals
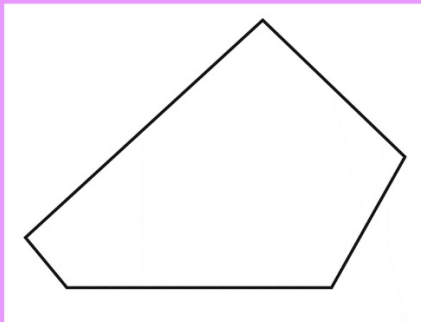
I think… because…

True! It has 5 sides and 5 vertices so it is a pentagon. Sometimes shapes can be **irregular**, meaning their sides are different lengths.

How many sides and vertices does this shape have?
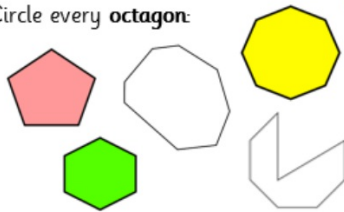
Name of shape:

Number of sides:

Number of vertices:

Miss Kay has tried to sort these shapes in order of the number of vertices. Has she done it correctly? Explain your answer.

....

....

....

Circle every **octagon**:

Miss Jefferies is thinking of a shape. It has **half the number of sides as an octagon**. What shape could she be thinking of? Draw the shape and explain why...

....

....

....

Reflection

Level 2

Menu

Check

pentagons | not pentagons

yellow

not yellow

Topmarks