## **GRAYS TUITION CENTRE – Online Tutoring**

## **WEEK: 10**

## Week Beginning: (22/02/2021)

## Subject: MATHS

### Year: 2

# Lesson Objective:

- Understand what Two-dimensional and Three-dimensional shapes are and what their properties are
- Be able to name Two-dimensional and Three-dimensional shapes and compare vertices, edges and faces

### **Class Worksheets**

• The tutor shall work through the exam style questions with students from past papers and help them formulate a strategy to answering these questions

#### Homework

• The homework will be similar to the class work to make sure the students have a good understanding of the class work; the questions vary from easy to hard so that the students can challenge themselves and see the differences in exam questions

### **Additional Notes**

- All lesson worksheets and **homework for next week (due Week 11)** worksheets can be found below
- If the students have any questions, we can address those first before moving on to today's lesson plan
- Week 9 homework will be marked in lesson hence make sure it is fully complete

# **Two-dimenional shapes:**

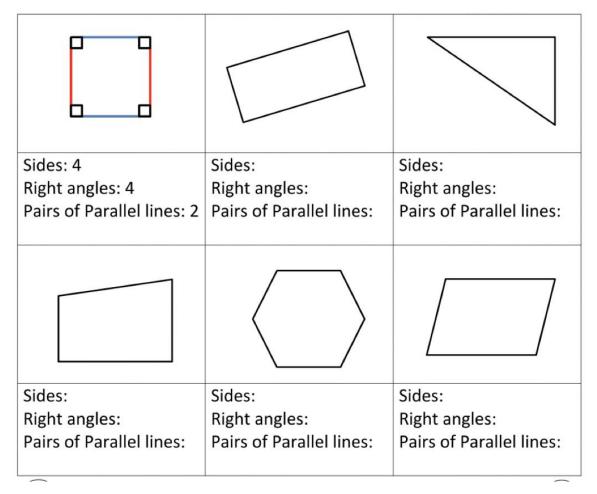
A two-dimensional (2D) shape has only two measurements, such as length and height.

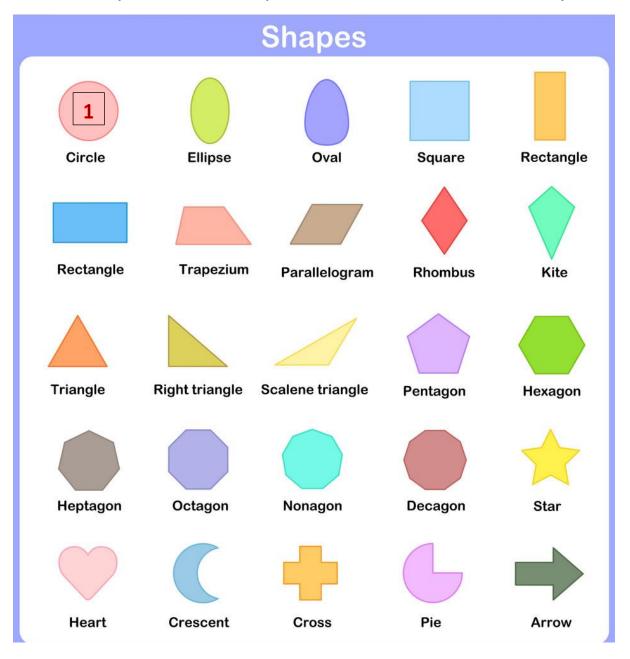
Side: a line in a 2D shape is called a side

Right Angles: a corner of a shape at a 90° angle

Parallel Lines: Lines that never meet

First one is done for you.

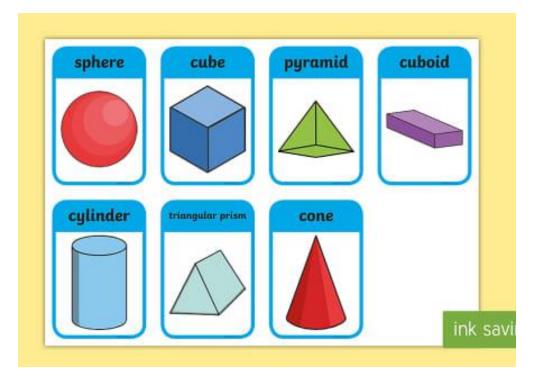




Write how many sides each of the shapes have in the middle. First one is done for you.

# **Three-dimenional shapes:**

A three-dimensional (3D) shape because it has three measurements (length, height, and width) and is sometimes called a 'solid' shape.



For each shape, write down the number of faces, edges and vertices it has. If you are not sure, can you find or make an example of the shape to have a look at.

Remember:	face	A triangular prism
A	edge	has 5 faces,
		9 edges and
	vertex (corn	6 vertices.
Shape	Р	roperties
Name of shape:	_	Faces:
		Edges:
	Ŋ	Vertices:
Name of shape:	_	Faces:
		Edges:
		Vertices:
		- V

## **3D SHAPE PROPERTIES SHEET 2**

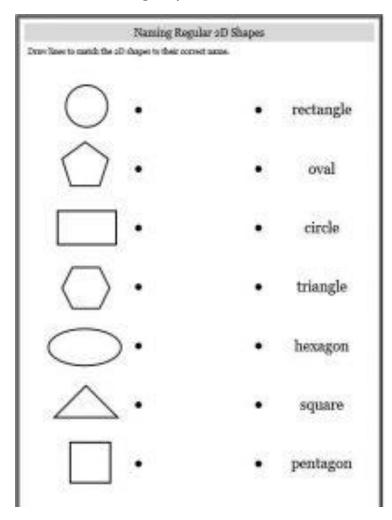


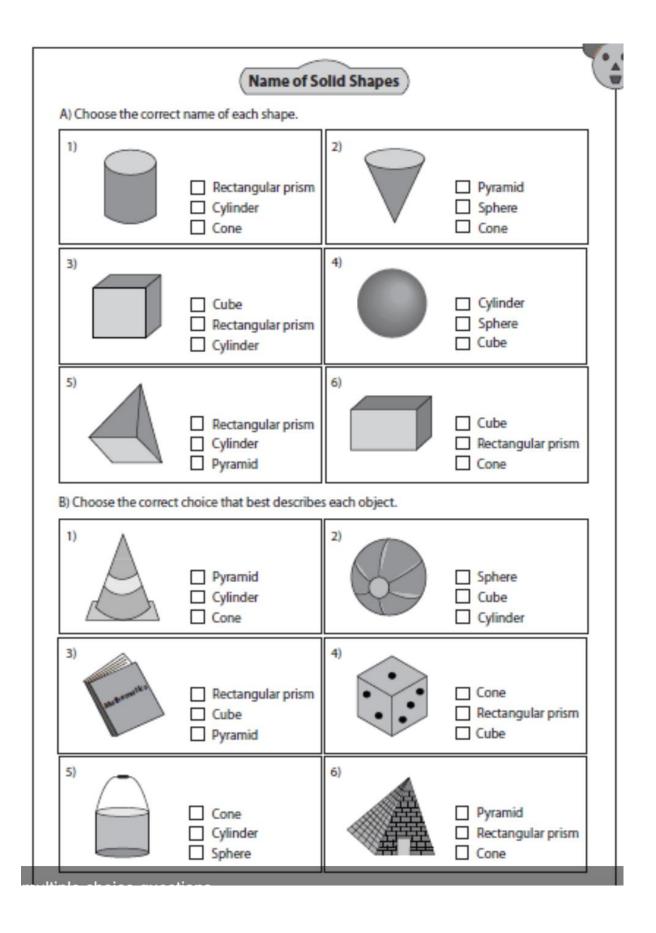
For each shape, write down the number of faces, edges and vertices.

Shape	Properties
Name of shape:	Faces: Edges:
	Vertices:
Name of shape:	Faces:
	Edges:
	Vertices:
Name of shape:	Faces:
	Edges:
	Vertices:
Yay	YAY

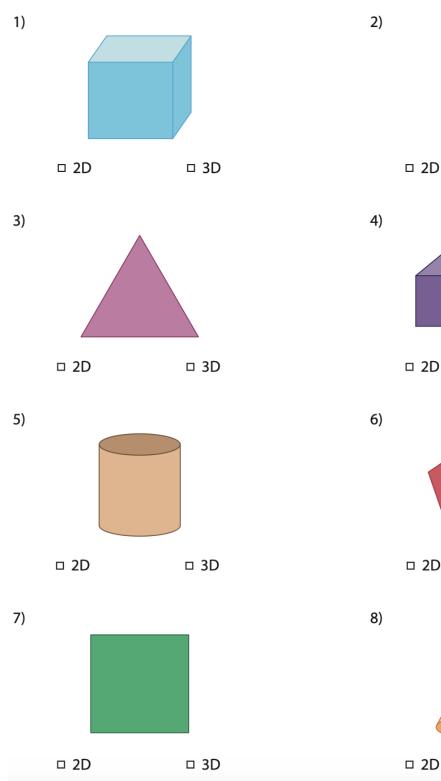
#### Homework:

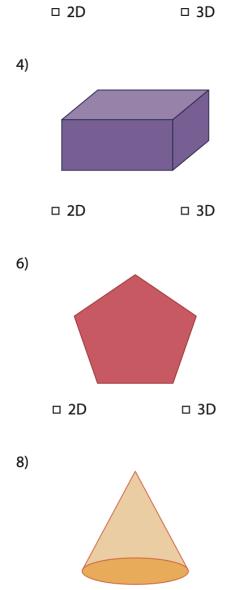
Match the following shapes to the correct name:





Identify each shape as 2D or 3D, and check the appropriate box.





□ 3D

Shape	Properties
Name of shape:	Faces: Edges:
	Vertices:
Name of shape:	Faces:
	Edges:
	Vertices:
Name of shape:	Faces:
	Edges:
	Vertices:
Yay	Tet

For each shape, write down the number of faces, edges and vertices.