2-D Shapes – 3rd Class

You could start by watching this video explaining the features of some different 2-D shapes and showing some examples:

2-D Shapes

A Write out the description, write the name of the shape and draw a small picture of each one

1. I have four straight sides and four right angles. My sides are not all the same length.

2. I have one curved side.

3. I have three sides and three angles.

4. I have one curved side and one straight side.

5. I have four equal sides and four right angles.

6. I have one curved side. I am egg-shaped.

Square

Oval

Triangle

Semi-circle

Circle

Rectangle

Another name for any 2-D shape is a polygon. A polygon is a 2-D shape formed with straight lines

Regular shapes
- All sides are the same length.
- All angles are the same size.

Irregular shapes
- All sides are not all the same length.
- All angles are not all the same size.

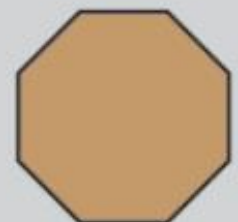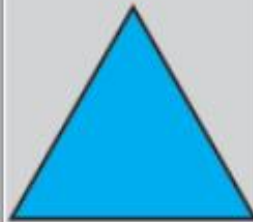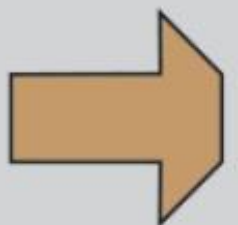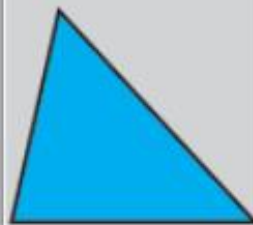| *A polygon can have three or more sides.*	3 sides Triangle	4 sides Quadrilateral	5 sides Pentagon	6 sides Hexagon	7 sides Heptagon	8 sides Octagon
Regular Polygons *all sides are equal length and all internal angles are equal*						
Examples of **Irregular Polygons** *any polygon that is not regular*						

B <u>Write out the numbers of the shapes and write whether each shape is regular or irregular</u>
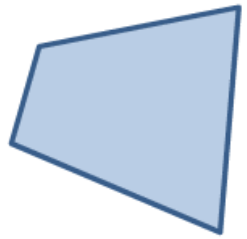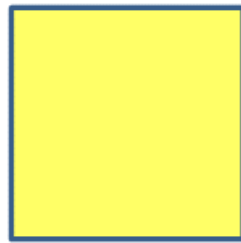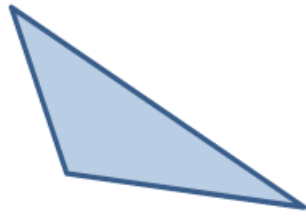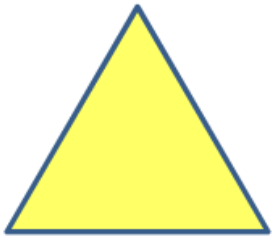
1	2	3	4
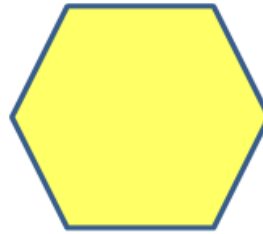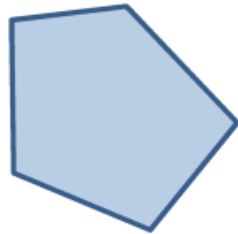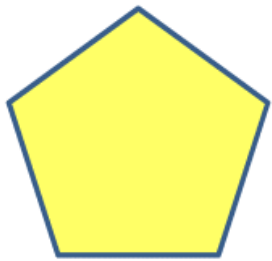
5	6	7	8
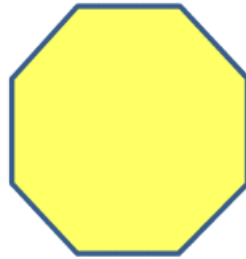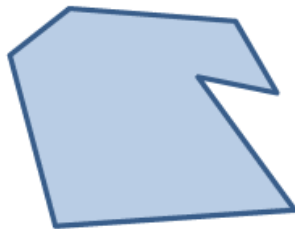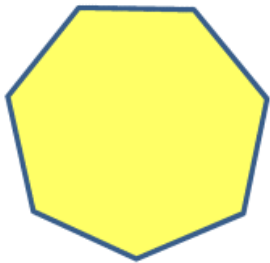
9	10	11	12
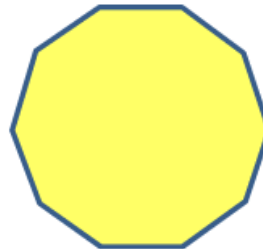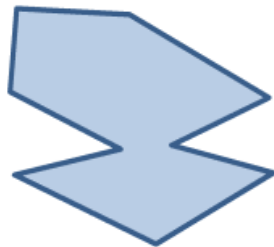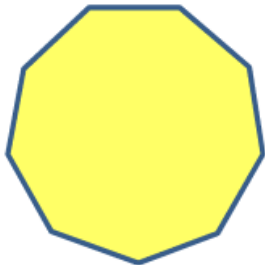
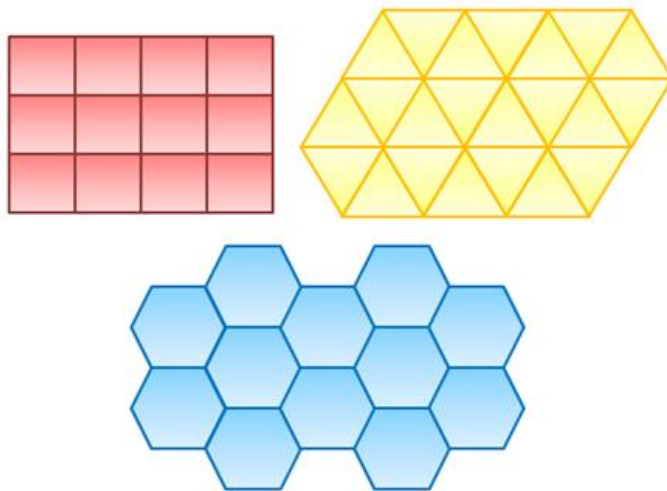| 13	14	15	16

Tessellations

If 2-D shapes can fit together without leaving any gaps or by not overlapping then they can tessellate. Here are some examples of tessellating shapes.

These tessellations are regular because all the shapes are the same.

These tessellations are irregular because they include different shapes. They are still tessellations though because they fit together without any gaps and without overlapping.
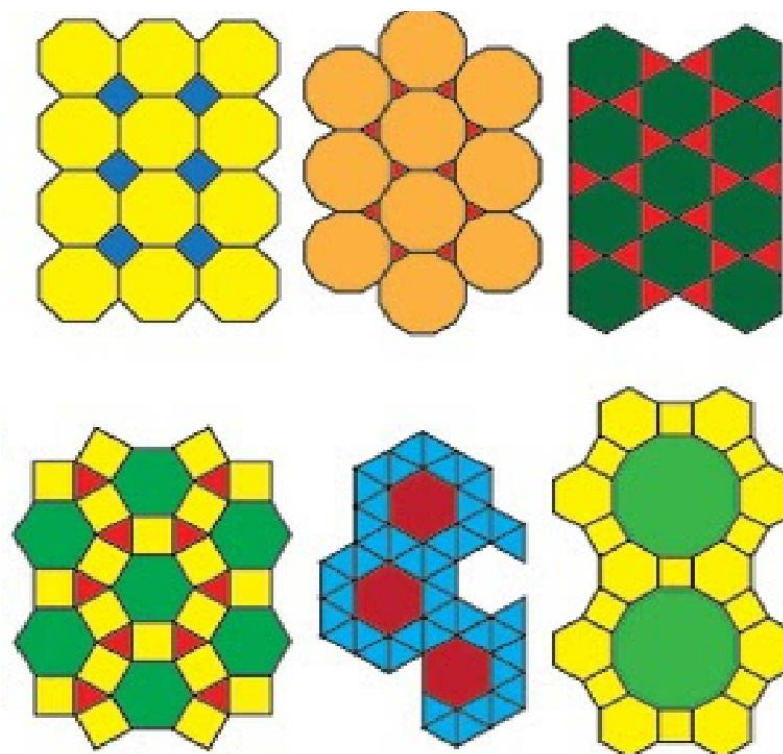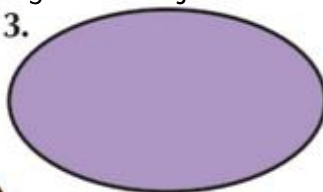
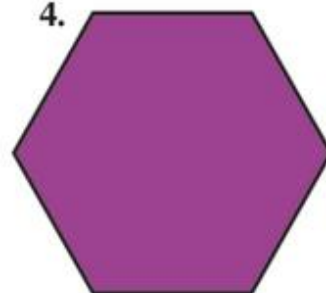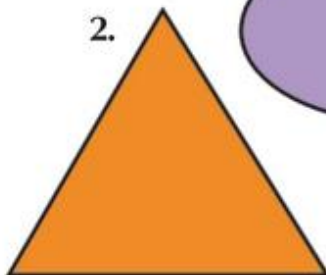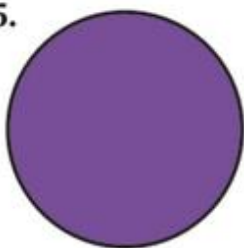**Which shapes might tessellate?** Write yes or no for each
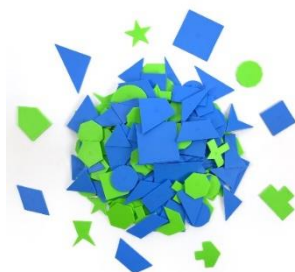
1.

2.

3.

4.

5.

6.

7.

- Click on the picture below to try making some different tessellations and other shape pictures using this online activity:

- Take a walk around your house or outside. Make a list of all the different 2-D shapes you can see. See can you find 5 examples of each of the shapes from Activity A.

- Finally you could try making some simple tessellation art at home yourself by following the steps in the video below:

2D Shape Attributes

Shape	Name	How many sides?	How many corners?
1			
2			
3			
4			
5			
6			
7			
8			
9			