

## 01.06.20 P2 SHAPE - ANSWERS

WALT identify and name some 2D shapes and talk about them. (MTH 1-16a)

Mrs Kohler and Mrs Duff had planned to start shape lessons ... and then the school closed 😞. So you are going to have to think way back to Primary 1 for this revision 😊.

**2D shape:** do you know what the “D” stands for?

**D means Dimensional.** So 2D means the shape has 2 dimensions – length and width (breadth) but they don't have depth (thickness). This means **2D shapes are flat** – like the ones you draw.

2D shapes are also part of 3D shapes. **3D shapes have length, width and depth.** So a rectangle is 2D but a swimming pool is 3D because it is a rectangle with depth.

If you can, have a look at this BBC Bitesize page which gives a little reminder of 2D shape and then there's 2 short quizzes.

<https://www.bbc.co.uk/bitesize/topics/zbtp34j/articles/zfdwk7>

### Questions:

Can you name the following 2D shapes and say how many sides they have and are they straight or curved sides; how many corners and think of something which has that shape in your home or outside?

You might need these words to help: pentagon, semi-circle, rectangle, circle, triangle, octagon, hexagon, square 😊. Good luck.

1.



What is it? **circle**

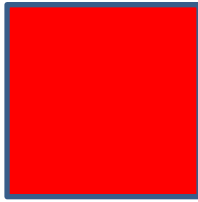
How many sides? **1 (one curved one) – although some people say none.**

**What do you think?**

How many corners? **0**

Where might you see one? **Wheels, analogue clock faces, buttons, some coins...**

2.



What is it?

**A square.**

How many sides?

**4 straight sides – all the same length.**

How many corners?

**4**

Where might you see one? **Table top, window shape, box sides...**

3.



What is it?

**A rectangle.**

How many sides?

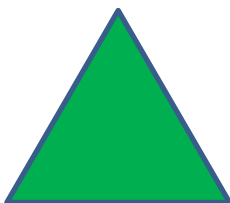
**4 straight sides – 2 short, 2 long**

How many corners?

**4**

Where might you see one? **TV screen, doors, photo frame, paper money, fence post, book cover...**

4.



What is it?

**A triangle**

How many sides?

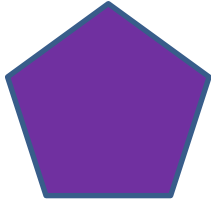
**3 straight ones**

How many corners?

**3**

Where might you see one? **Cheese triangles, roofs, tent sides...**

5.



What is it?

**A pentagon**

How many sides?

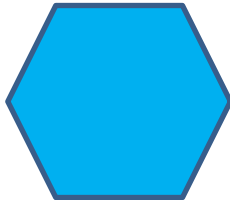
**5 straight sides**

How many corners?

**5**

Where might you see one? **The Pentagon defence building in the USA, a yacht or cruise ship from above (?), a rocket...**

6.



What is it?

**A hexagon**

How many sides?

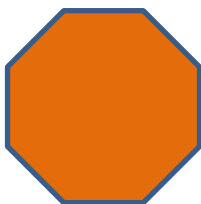
**6 straight sides**

How many corners?

**6**

Where might you see one? **Nuts and bolts, bee hives...**

7.



What is it?

**An octagon**

How many sides?

**8 straight sides**

How many corners?

**8**

Where might you see one? **Tiles, floor patterns...**



8.

What is it?

**A semi-circle**

How many sides?

**2, one straight side and one curved.**

How many corners?

**meet)**

**0 (corners are found where 2 straight lines**

Where might you see one? **Windows, umbrellas...**

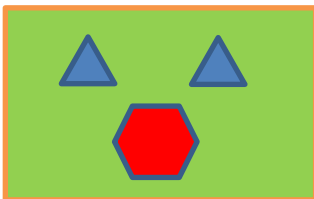
**\*\*Challenge question (100 bonus points!) – Go and look at a 20p and 50p coin. How many sides do they have? What is that shape called?**

**They are heptagons (or septagon) and have 7 sides. The French word for 7 is sept.**

Now go for a walk around the house or outside and see all the great shapes and tell somebody in your house about them...or test them. 😊

You can even draw a picture made of shapes. Are some shapes easier to draw?

Why?



Why do you think designers choose certain shapes to make things?

What are the good and bad points about different shapes e.g. the top of tables or school desks are often (but not always) rectangles. Why is this? If you were the designer of a table, what shape would you make the top and why?



**How did you do? Which shape do you like best?**

**Why?**