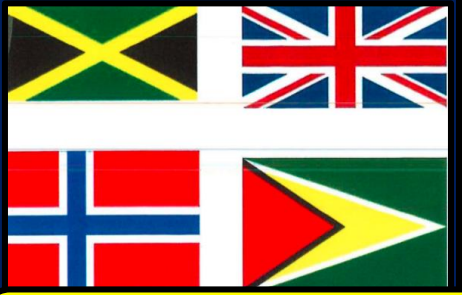


2.02.2  
2.1: To explore shape.

Guernsey Flag: I can see lots of triangles in this flag. Triangle - 3 sides, 3 corners and has 1 line of symmetry. My flag has right angled and acute angles.

South Africa flag: I can see lots of triangles and rectangles. Rectangle - 4 sides, 4 corners and has 1 line of symmetry. My flag has right angles, obtuse angles and acute angles. Triangle - 3 sides and 1 line of symmetry.



symmetrical

Shapes: 4 triangles and an X.  
Properties of these shapes: Triangle - 3 sides, 180°, 2 are big and 2 are small. The X - 12 sides.  
How many lines of symmetry? 6 lines.  
6 parallel lines 4 perpendicular

2.21  
To explore shapes.

To explore shapes and their properties within flag designs

This activity draws upon lots of learning we have done this term (and last) about shape properties. We chose a flag/ flags that we wanted to explore and named as many shapes and shape properties as we could within the flag design. We measured angles too and labelled different angle types.

reflex

acute

right angle

obtuse

This flag has 2 trapeziums (red/blue). It has an irregular heptagon in green.  
There are twelve 90° angles and 4 right angles, 2, 140° and 12, 27°.  
In the center of this flag is the star of David or the two-triangle star.  
IT also has 2 rectangles around the edge.  
Looking closer at the star, it is made of 6 rectangles and 6 triangles.  
The hexagon has 6, 120° angles.

parallel

Shapes:  
1) Triangle  
2) Trapezium  
3) Heptagon

there are squares and rectangles.  
The rectangle is a quadrilateral it has 4 90 degree angles. It has 380°. It has 2 pairs of sides.

The square has 4 sides. It has 360° angles. It has 4 sides.

parallel

Right angle triangle  
cross  
squares

- Rectangle  
- Square  
- crosses

obtuse

Angles

1) 115° = Trapezium = Blue  
2) 115° = Trapezium = Red  
3) 75° = Triangle = Yellow  
4) 90°, 115°, 90°, 90° = Heptagon = Green

Extension

1 line of symmetry  
3 pairs of parallel lines  
3 perpendicular lines

parallel

Rectangle  
It is a quadrilateral. It has 4 sides. 2 are the same lengths and the other 2 are the same.

Rectangle are polygons. Each angle will be 90°.

Squares  
Squares have 4 equal sides and they are quadrilaterals.

right angle