

Area of Maths: Statistics

Skill: Interpret and construct pie charts and line graphs and use these to solve problems

YOU WILL NEED...

Resources:

There are downloadable resources available to accompany this lesson.

Equipment:

Pencil and paper, pre-printed circles, protractors, rulers.



Instructions:

1. You need a large activity space, either indoors or outdoors and the flag cards should be dispersed randomly around the activity area for children to find.
2. The children need to look at all the cards and tally the colours that appear on each flag.
3. Next, the children need to total each colour's tally and use this information to construct a pie chart. There are eleven flags, which equate to a colour tally of 36, between 6 colours:
 - Red = 8
 - White = 8
 - Blue = 3
 - Yellow = 5
 - Green = 7
 - Black = 5
4. So, each tally can be multiplied by 10 to give the size of the wedge of the pie in degrees.

Provide pre-printed circles (or sets of compasses) and protractors so that the pie charts can be constructed accurately.

Teacher Tip

When the children ask you, the countries are....

- Jamaica (green, black, yellow diagonal cross)
- Pakistan (green with white crescent moon and star)



- Romania (blue, yellow, red tricolour)
- Wales (green, red dragon, white)
- Switzerland (red with white cross)
- Seychelles (multicoloured stripes from one corner)
- Belgium (black, yellow, red tricolour)
- Italy (green, white, red tricolour)
- Guyana (red and yellow triangles from left side, green, white and black)
- Kenya (red, green, black and white, with shield and spears)
- Estonia (white, blue, black horizontal stripes)

