

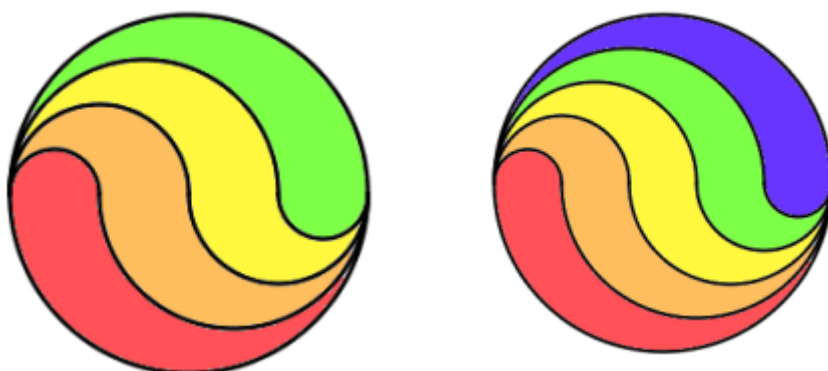
Take a look at the image below:



Can you see how the image was created?

**Try to recreate it using a ruler and compasses.**

Here are two images created in a similar way.



**Can you work out the proportion of the 3-colour, 4-colour and 5-colour circles which is shaded red?**

Can you make any generalisations?

Can you prove your ideas?

**Extension:**

What about the proportion which is shaded orange? Yellow? ...

Can you make any generalisations?

Can you prove your ideas?