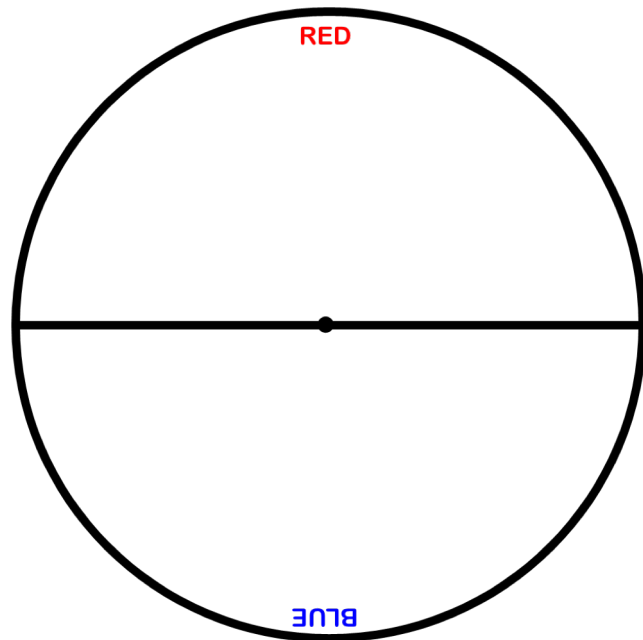
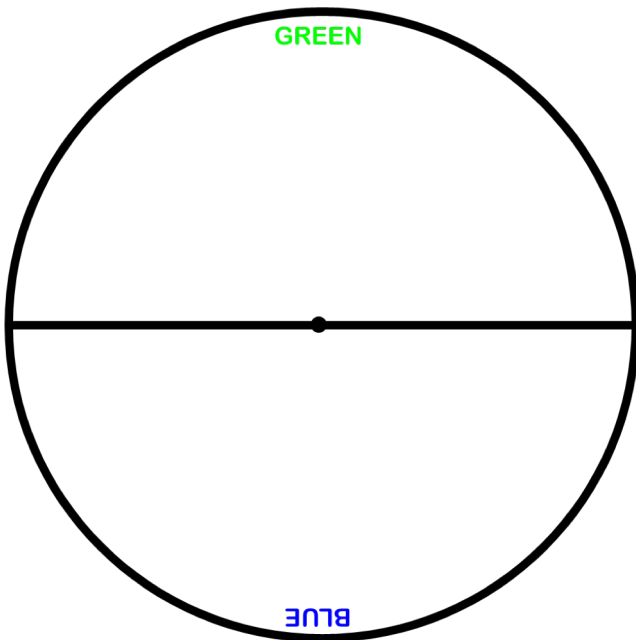
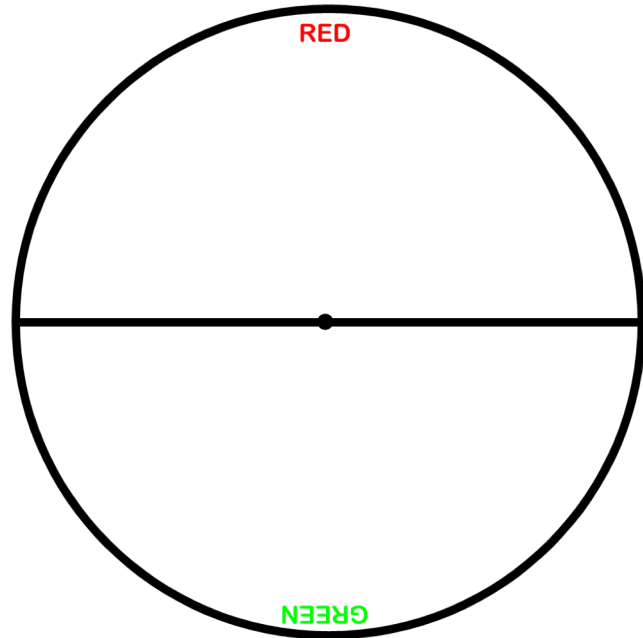
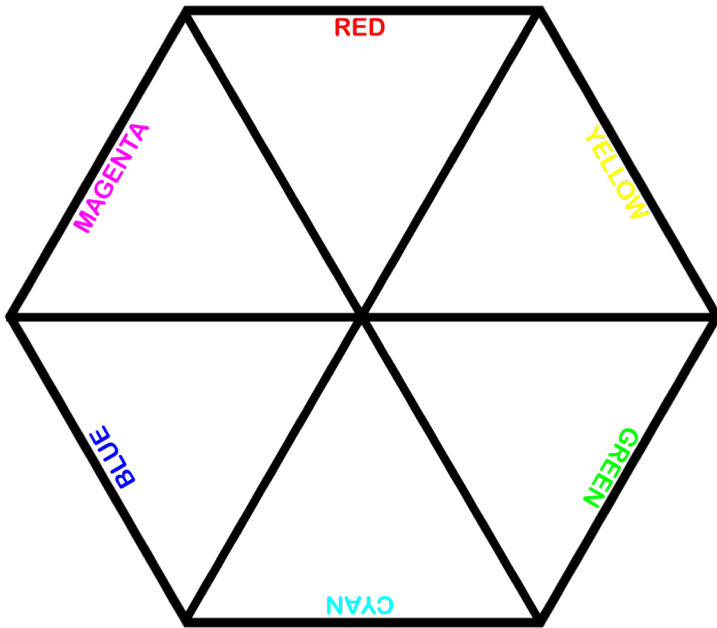




Show white light is a mixture

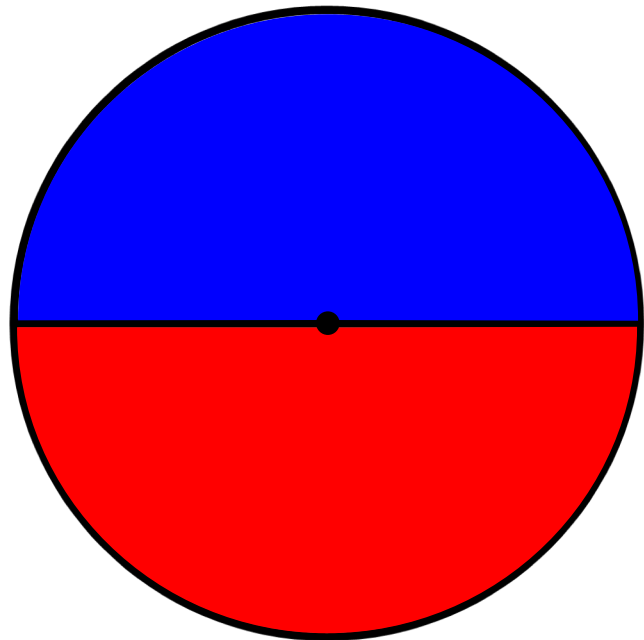
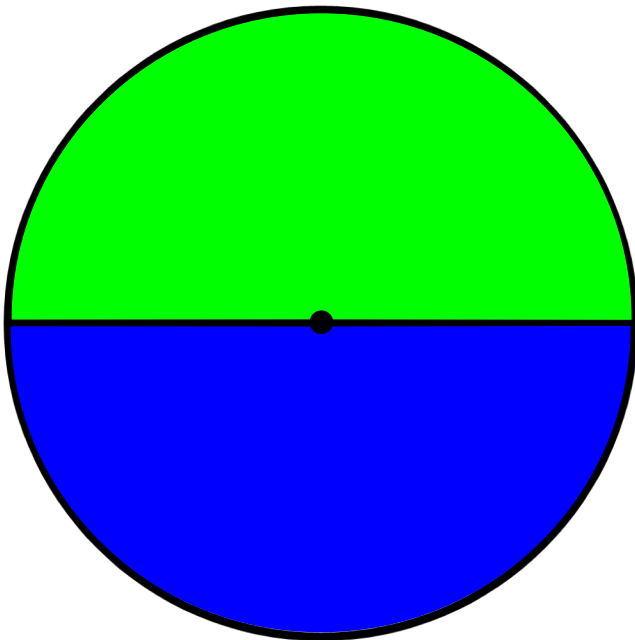
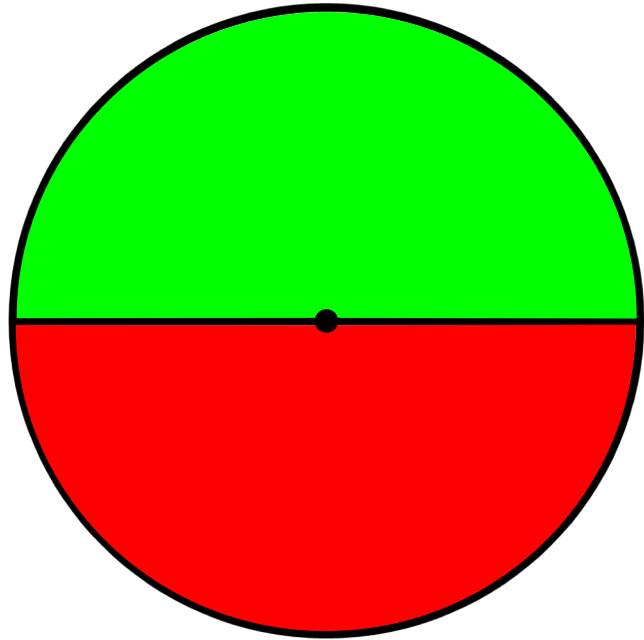
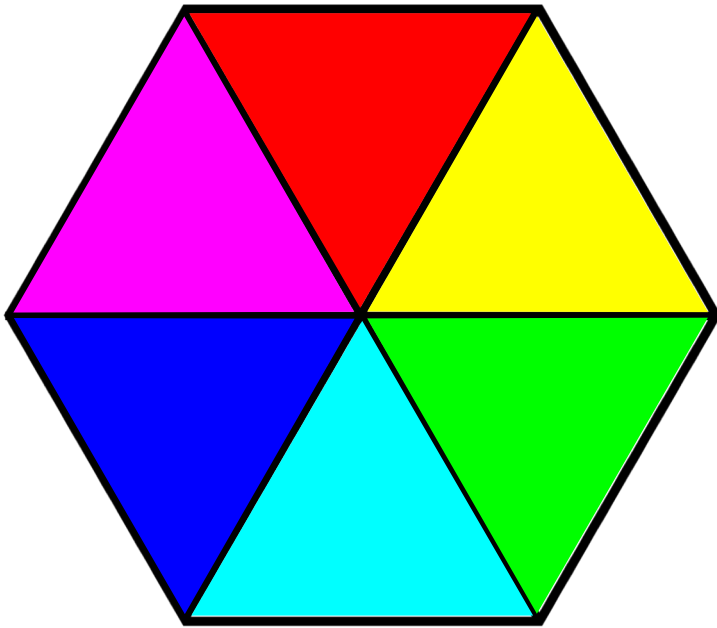
Colour-in the following shapes as shown. Mount them onto card. Then cut them out and either stick them on a motor or push a sharp pencil through them to make a spinning top.





Show white light is a mixture

Mount the page onto card, then cut out the shapes below and either stick them on a motor or push a sharp pencil through them to make a spinning top.



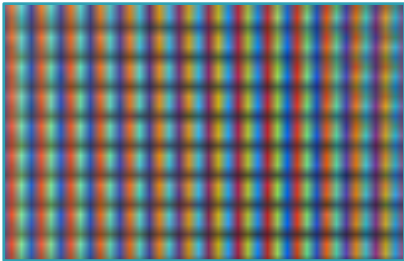


Show white light is a mixture

For each colour wheel predict what colour you think you'll see when it is rapidly rotated.

Colour wheel	Predicted colour	Explain your prediction	Colour seen

A computer screen is made of pixels. Each pixel is made of three coloured cells (red, green, blue) You can see them with a magnifying lens. Each cell can be illuminated by different amounts.



Explain how these cells help create different colours on the computer screen.

Stretch
Explain how rainbows show us white light is a mixture.

Explain what this picture shows.



Challenge
Explain why spinning the colour wheel rapidly causes the colours to mix.