

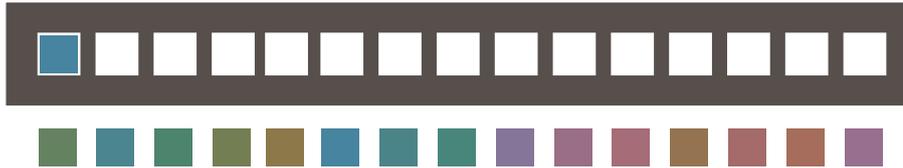
# COLOUR INSPECTOR HOME TEST



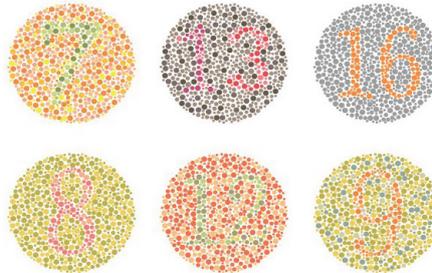
## 1. WHAT IS COLOUR BLINDNESS?

Colour Arrangement Test: Click on the link and put the colours in their correct order, if you are colour blind, the order will look quite different from someone else's.

<http://www.colour-blindness.com/colour-blindness-tests/colour-arrangement-test/>

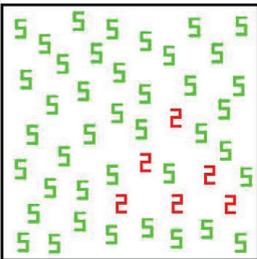
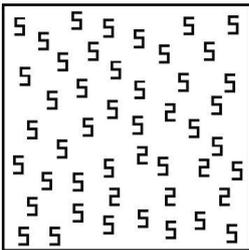


Can you see these numbers?



## 2. WHAT IS SYNESTHESIA?

How quickly can you find the 2s in these 5s?



People with synesthesia see numbers as colours so could identify the 2s quite easily.  
For example, it could look like this:

### Synesthesia questions:

What colour is Tuesday?

What colour is 4?

What noise does red make?

What colour are these letters?

A, G, U, K, E, S

Ask your family members/other students the same questions. Do they see different colours?

## CELEBRITIES WITH SYNESTHESIA:

Vincent Van Gogh, Marilyn Monroe,  
Kanye West, Mozart, Edgar Degas,  
Claude Monet

### 3. HOW TO MAKE A RAINBOW AT HOME

Fill a large bowl or dish halfway with water and prop up a mirror inside it so that part of the mirror is under the water and part is out.

Place the dish and mirror near a sunny window with direct light coming in so that it hits the mirror (early morning or early evening light works best).

Hold a large white piece of paper above the maker to “catch” the rainbow. You might have to move a bit until you find it.

Play around with moving the paper closer to the mirror and then farther away to see how your rainbow changes!



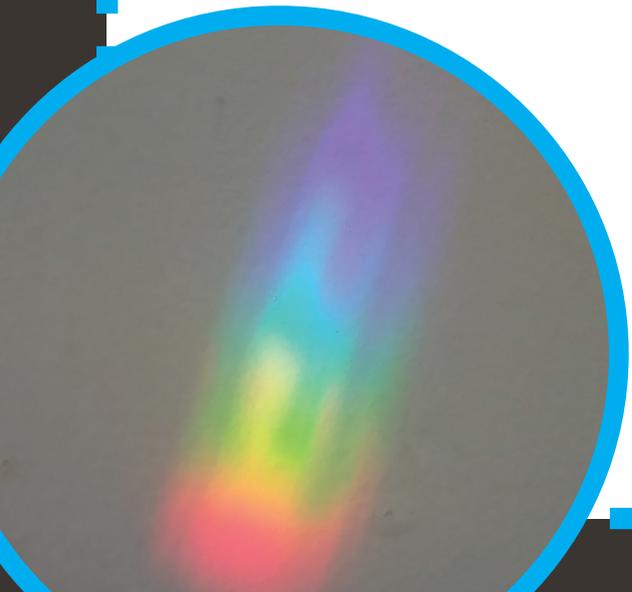
#### OR:

Take a piece of paper and cut a slot into the middle of it. Tape this onto the side of a smooth/clear drinking glass so that the sun's rays can pass through the opening onto the SURFACE of the water in the glass.

You will need to do this on a very sunny day (or try a darkened room with a strong direct light source.)

Make sure that the glass of water is VERY FULL. Place the glass on a white floor or white piece of paper, making sure the sun's rays are shining through the slot in your paper and hitting the surface of the water.

You should see a mini-rainbow appear below the glass!

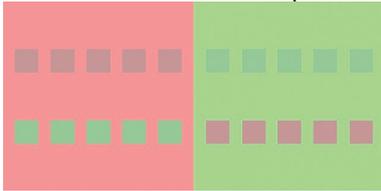


## 4. COLOUR ILLUSIONS

How many colours do you see in this image?

The blue and green spirals are actually the same colour – there is no blue colour. This effect is achieved using colors adjacent to the stripes. The “blue stripes” are crossed by fuchsia stripes while the “green” ones are surrounded by orange stripes.

What colour are these squares?



They are all only green or pink, there is no third colour.





## 5. TRIVIA ABOUT COLOURS

What is the world's favourite colour?

**Blue**, in a survey 40% of people said that blue was their favourite.

What is the first colour babies see?

**Red**

What percentage of the world's population have synesthesia?

5%

What colour is the sun? The sun is actually white, viewed from space or a high altitude you can see its true colour ,white. Viewed from low altitude, it appears yellow due to the atmosphere.

## 6. COLOUR MIXING.

### DO YOU KNOW WHAT HAPPENS WHEN YOU MIX COLOURS?



You get different colours when mixing coloured paints and when mixing coloured lights.

**TO INVESTIGATE THESE DIFFERENT RESULTS, COME TO THE MUSEUM AND BECOME A COLOUR INSPECTOR!**