

# Simple Coding

Did you know that you can do coding without using a computer?  
Let's think about pictures on your computer, phone or tablet screen.

Pictures are all made up of tiny squares of colours called pixels.  
Computers store information so that it understands what colours to colour each pixel in the picture. Let's have a go at our own bit of coding. See if you can follow my instructions below.

All you need are some coloured pencils.

2	2	2	2	2	2	2	2	2
2	2	2	1	1	1	2	2	2
2	2	1	1	1	1	1	2	2
2	3	3	3	3	3	3	3	2
2	3	3	1	3	1	3	3	2
2	3	1	3	3	3	1	3	2
2	3	3	3	3	3	3	3	2
2	3	3	1	3	1	3	3	2
2	2	3	3	3	3	3	2	2
2	2	2	2	2	2	2	2	2

1. Colour every number 1 **black**
2. Colour every number 2 **Green**
3. Colour every number 3 **Red**

Can you tell what picture you have created using my instructions?

Here's a harder one to have a go at.

2	2	1	1	2	2	2	2	2
2	2	1	1	2	2	2	2	2
1	1	4	4	1	1	2	2	2
1	1	4	4	1	1	2	2	2
2	2	1	1	3	2	2	2	2
2	2	1	1	3	2	2	2	2
2	2	2	2	3	2	3	3	2
2	2	2	2	3	2	3	3	2
2	2	2	2	3	3	3	2	2
2	2	2	2	2	2	2	2	2

1. Colour all number 1's in **red**
2. Colour all number 2's in **blue**
3. Colour all number 3's in **green**
4. Colour all number 4's in **yellow**

Can you work out what the picture is from following my instructions?

Why not have a go at making your own and challenging someone else to have a go at coding?