# Co-ordinate pixel drawing

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **7** |  |  |  |  |  |  |  |  |
| **6** |  |  |  |  |  |  |  |  |
| **5** |  |  |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |  |  |
| **2** | (0,2) | (1,2) |  |  |  |  |  |  |
| **1** | (0,1) |  |  |  |  |  |  |  |
| **0** | (0,0) | (1,0) |  |  |  |  |  |  |
|  | **0** | **1** | **2** | **3** | **4** | **5** | **6** | **7** |

Below are co-ordinates (0,0) along with binary numbers that represent colours (which can be seen in the colour key).

Using [www.computerscienced.co.uk/site/pixel-drawer](http://www.computerscienced.co.uk/site/pixel-drawer) or a piece of graph paper, colour in the co-ordinates according to the colour key.

For example – (0,0) – 00, I colour in the co-ordinate 0,0 (column 0, row 0) in white (00 = white)

(1,2) – 01, I colour in the co-ordinate 1,2 (column 1, row 2) in orange (01 = orange).

**Colour Key**

00 = White

01 = Orange

10 = Black

11 = Green

|  |  |
| --- | --- |
| (0,0) – 00  (1,0) – 01  (2,0) – 01  (3,0) – 01  (4,0) – 01  (5,0) – 01  (6,0) – 01  (7,0) – 00 | (0,1) – 01  (1,1) – 01  (2,1) – 10  (3,1) – 01  (4,1) – 10  (5,1) – 01  (6,1) – 10  (7,1) – 01 |

|  |  |
| --- | --- |
| (0,2) – 01  (1,2) – 10  (2,2) – 01  (3,2) – 10  (4,2) – 01  (5,2) – 10  (6,2) – 01  (7,2) – 01  (0,3) – 01  (1,3) – 01  (2,3) – 01  (3.3) – 01  (4,3) – 01  (5,3) – 01  (6,3) – 01  (7,3) – 01  (0,4) – 01  (1,4) – 01  (2,4) – 10  (3,4) – 01  (4,4) – 01  (5,4) – 10  (6,4) – 01  (7,4) – 01 | (0,5) – 00  (1,5) – 01  (2,5) – 01  (3,5) – 01  (4,5) – 01  (5,5) – 01  (6,5) – 01  (7,5) – 00  (0,6) – 00  (1,6) – 00  (2,6) – 00  (3,6) – 11  (4,6) – 11  (5,6) – 00  (6,6) – 00  (7,6) – 00  (0,7) – 00  (1,7) – 00  (2,7) – 00  (3,7) – 00  (4,7) – 11  (5,7) – 11  (6,7) – 00  (7,7) – 00 |