



S1

CFE Level 3

Working at Home Workbook

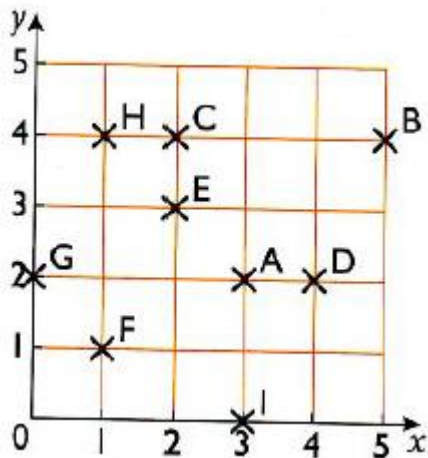
Coordinates

<b>Learning Intention. To be able to -</b>
Plot a coordinate in any quadrant
Coordinate Picture - Xmas

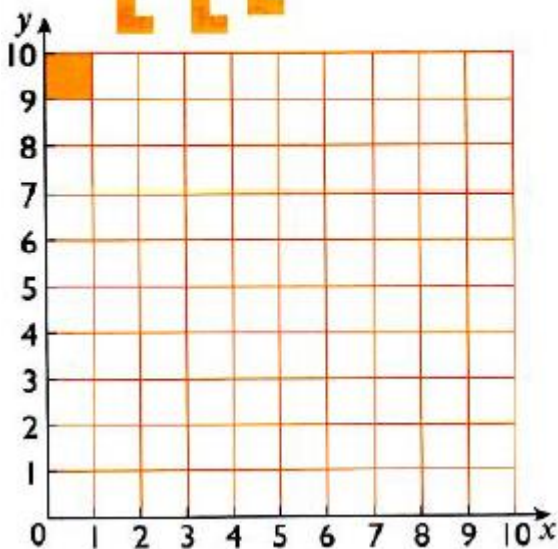
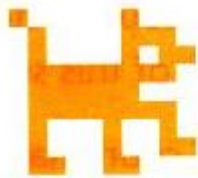
**Plot a coordinate in any quadrant**

1. Write down each labelled point on the grid and write its coordinates next to it.

For example: A(3, 2)

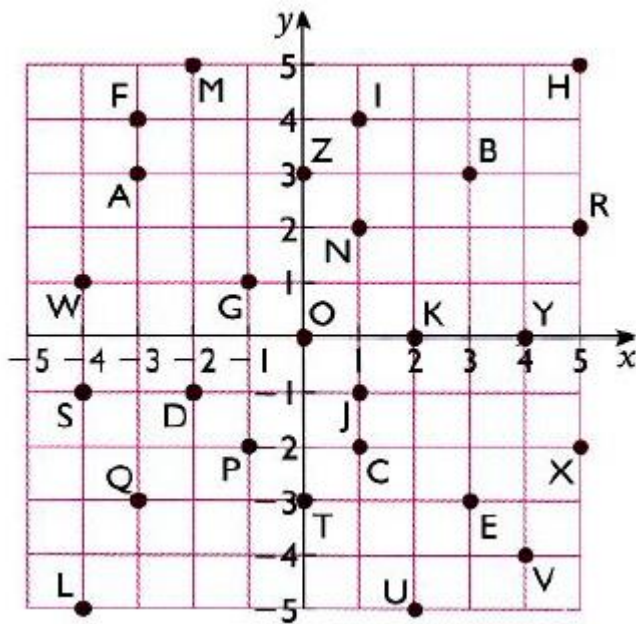


2. Copy the grid onto squared paper. You are going to colour in squares to make a picture. The coordinates of the bottom left-hand vertex of each square to be coloured are given. The square (0, 9) has been shaded to get you started.



- (0, 9), (6, 9), (1, 8), (6, 8), (7, 8),
- (8, 8), (1, 7), (6, 7), (8, 7), (9, 7),
- (1, 6), (2, 6), (3, 6), (4, 6), (5, 6),
- (6, 6), (7, 6), (8, 6), (1, 5), (2, 5),
- (3, 5), (4, 5), (5, 5), (6, 5), (1, 4),
- (2, 4), (3, 4), (4, 4), (5, 4), (6, 4),
- (7, 4), (8, 4), (1, 3), (5, 3), (8, 3),
- (1, 2), (5, 2), (8, 2), (9, 2), (1, 1),
- (2, 1), (5, 1), (6, 1).

### 3. Coordinates codes!



a. Work out the secret message by finding the letters on the grid:

$(-2, -1)$   $(0, 0)$   $(1, 4)$   $(1, 2)$   $(-1, 1)$ ;  $(-2, 5)$   
 $(-3, 3)$   $(0, -3)$   $(5, 5)$   $(-4, -1)$ ;  $(1, 4)$   $(-4, -1)$ ;  
 $(-1, 1)$   $(5, 2)$   $(3, -3)$   $(-3, 3)$   $(0, -3)$ ;  $(-3, 4)$   
 $(2, -5)$   $(1, 2)$ .

b. Using coordinates, write this message in code:

HOLIDAYS ARE EVEN BETTER