

# Digital Images

One way computers store images is as points that when joined with lines make shapes.

## Coordinate Conundrums

### SOLUTION



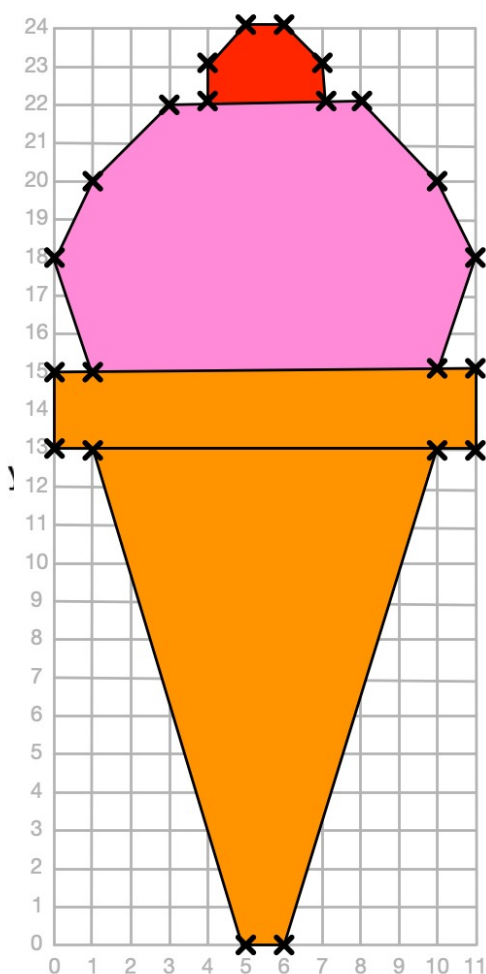
This picture is made of four shapes each given by a colour and a list of the coordinates of its vertices (corners). For each shape:

1. Plot the list of (x,y) coordinates on the grid.
2. Join the dots (which start and end at the same place) to make the shape.
3. Colour the shape you have made with the colour at the start of the list.

So, for example, on the first line (5,24) means plot the point 5 along and 24 up. It starts a new shape, coloured red, that ends at the same point.

#### The shapes are:

- red (5,24) (6,24) (7,23) (7,22) (4,22) (4,23) and join back to (5,24)
- pink (8,22) (3,22) (1,20) (0,18) (1,15) (10,15) (11,18) (10,20) and back to (8,22)
- orange (11,15) (11,13) (0, 13) (0,15) and back to (11,15)
- orange (10,13) (6,0) (5,0) (1,13) and back to (10,13)



Tick the circles when you have attempted the puzzle and so practised the skill.

Skill:  
Representing  
Data