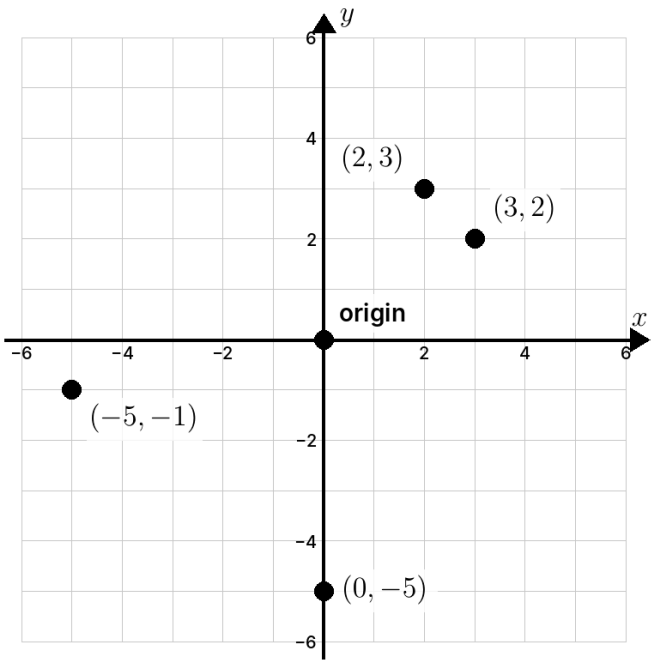
Where Is the Point?

GL02-V1 · storyboard · GL02 Plot and read points. Read each picture with its sentences.

Picture 1



The x-axis goes across.

The y-axis goes up.

They meet at the origin, $(0, 0)$.

$(3, 2)$: 3 right, then 2 up.

$(2, 3)$ is a different point.

$(-5, -1)$: 5 left, 1 down.

$(0, -5)$: no steps across.

1. Two number lines make the plane.
2. The x axis goes across, and the y axis goes up.
3. They meet at the origin.
4. The point 3, 2: go 3 to the right, then 2 up.
5. The order matters: 2, 3 is a different point.
6. Negative 5, negative 1: 5 to the left, then 1 down.
7. And 0, negative 5 takes no steps across at all: it is on the y axis, 5 down.

Picture 2

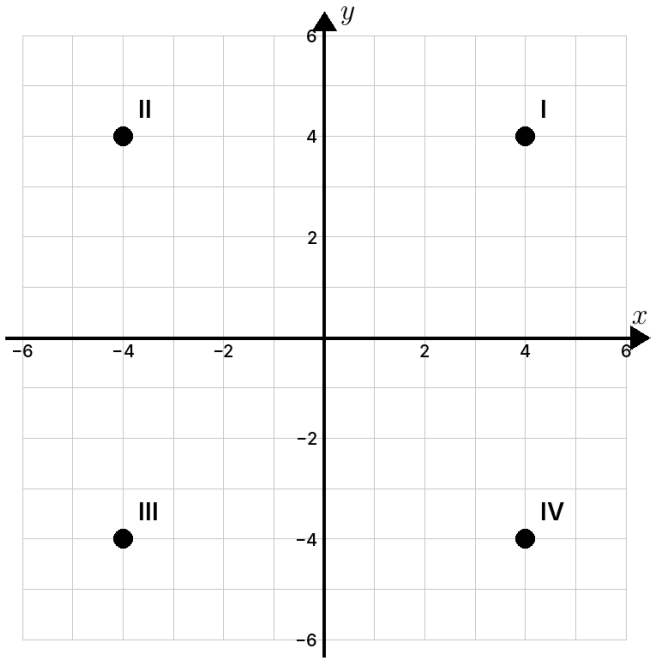
Trap plot $(4, 3)$

$\times$ 3 across, 4 up

$\checkmark$ 4 across, 3 up

8. Watch for the trap: swapping the coordinates.
9. For 4, 3, go across first: 4 across, then 3 up.

Picture 3



Anticlockwise from the top right.

10. The axes cut the plane into four quadrants, numbered anticlockwise from the top right: quadrant one, quadrant two, then three and four.