Mathematics

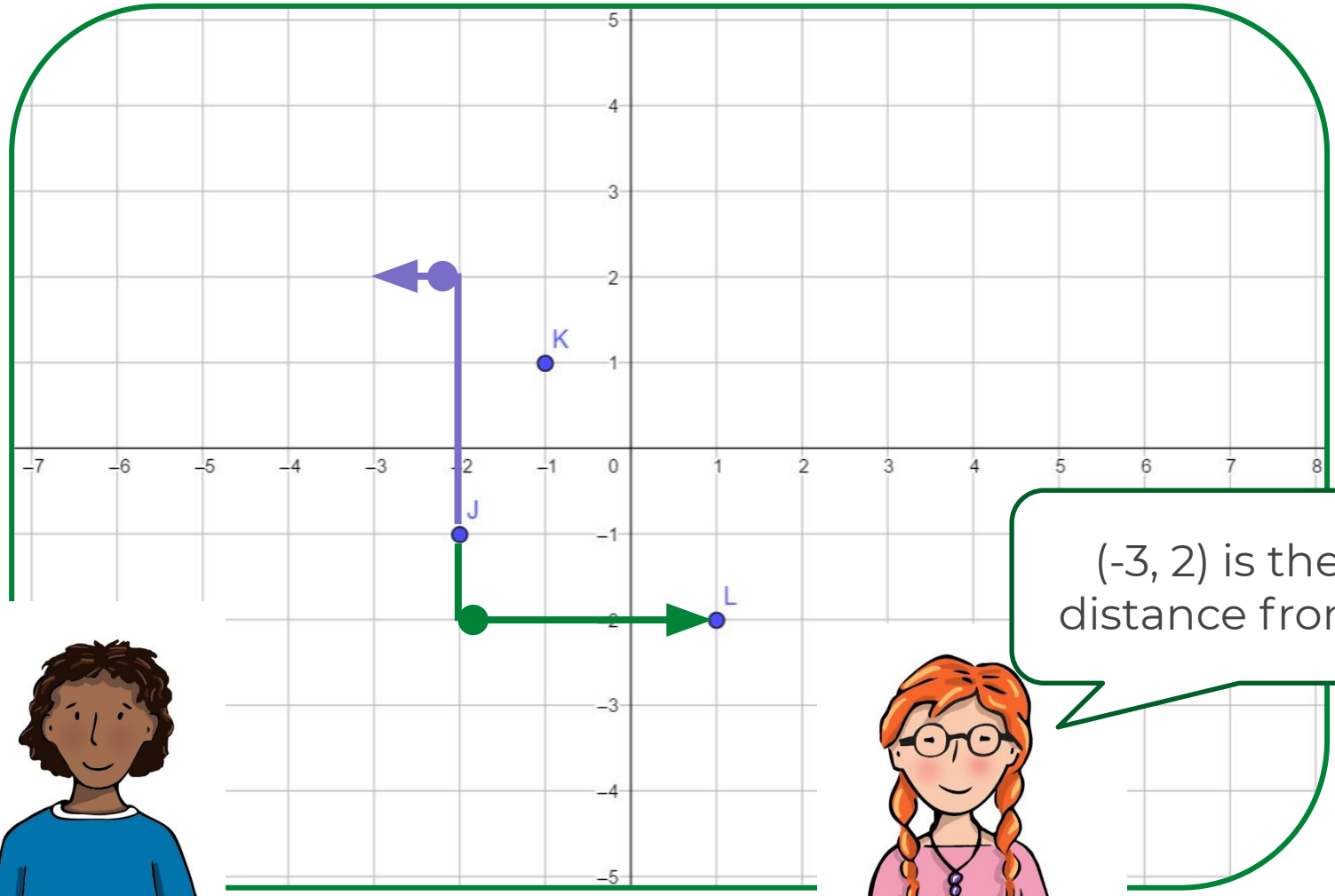
Coordinates recap Downloadable resource

Mr Maseko

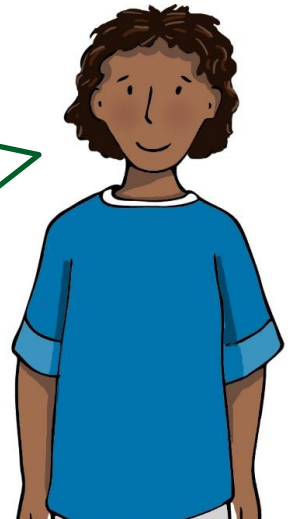
Try this

Using **right, left, up** and **down**. Describe the path between the coordinates J, K and L

What other coordinates are the same distance apart?



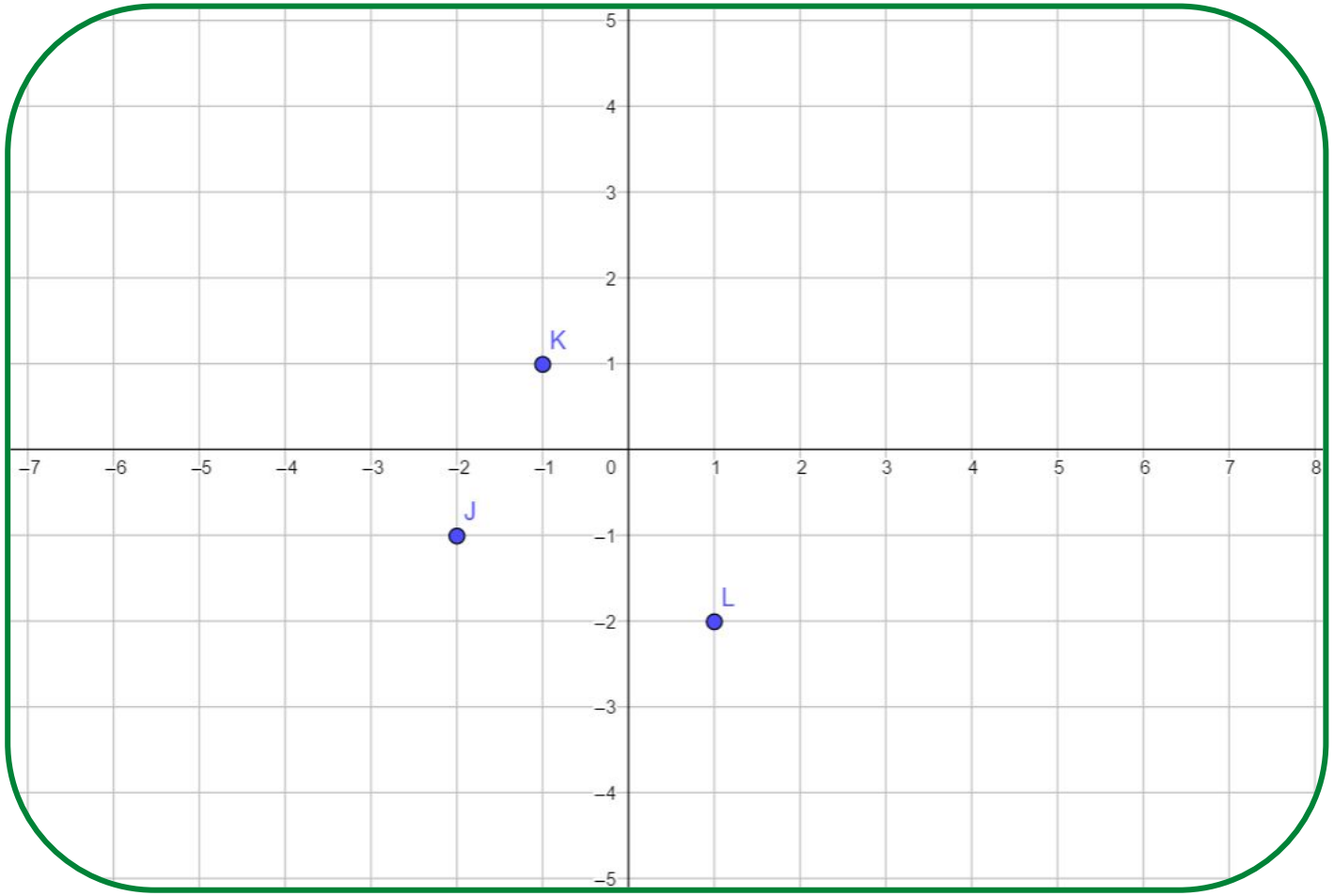
From J to L, it's one down and 3 right



(-3, 2) is the same distance from J as L.

Connect

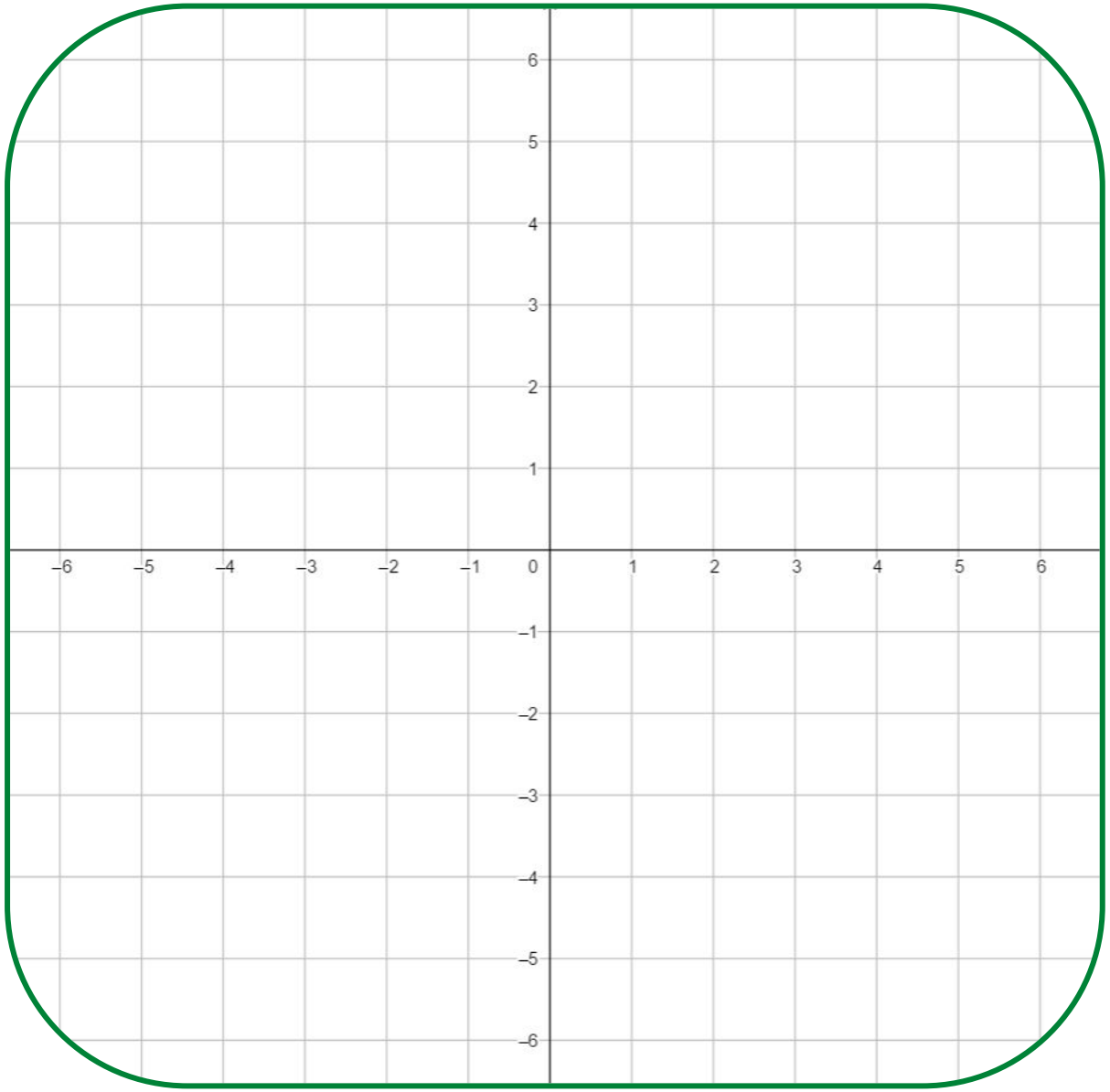
- Coordinates are used to describe a path on grid called a Cartesian plane.
- This path is always from the origin
- When stating the path we always travel horizontally then vertically



Independent task

a) Plot as many points on the grid as you can, that are all the same distance from the origin

b) What is the maximum number of points you can plot that are the same distance from the origin?



Explore

I start at (0, 0) then:

I move right/left ☐ spaces

I move up/down ☐ spaces

If the sum of the numbers in the 2 boxes is 6, what are the possible coordinates I end up at?