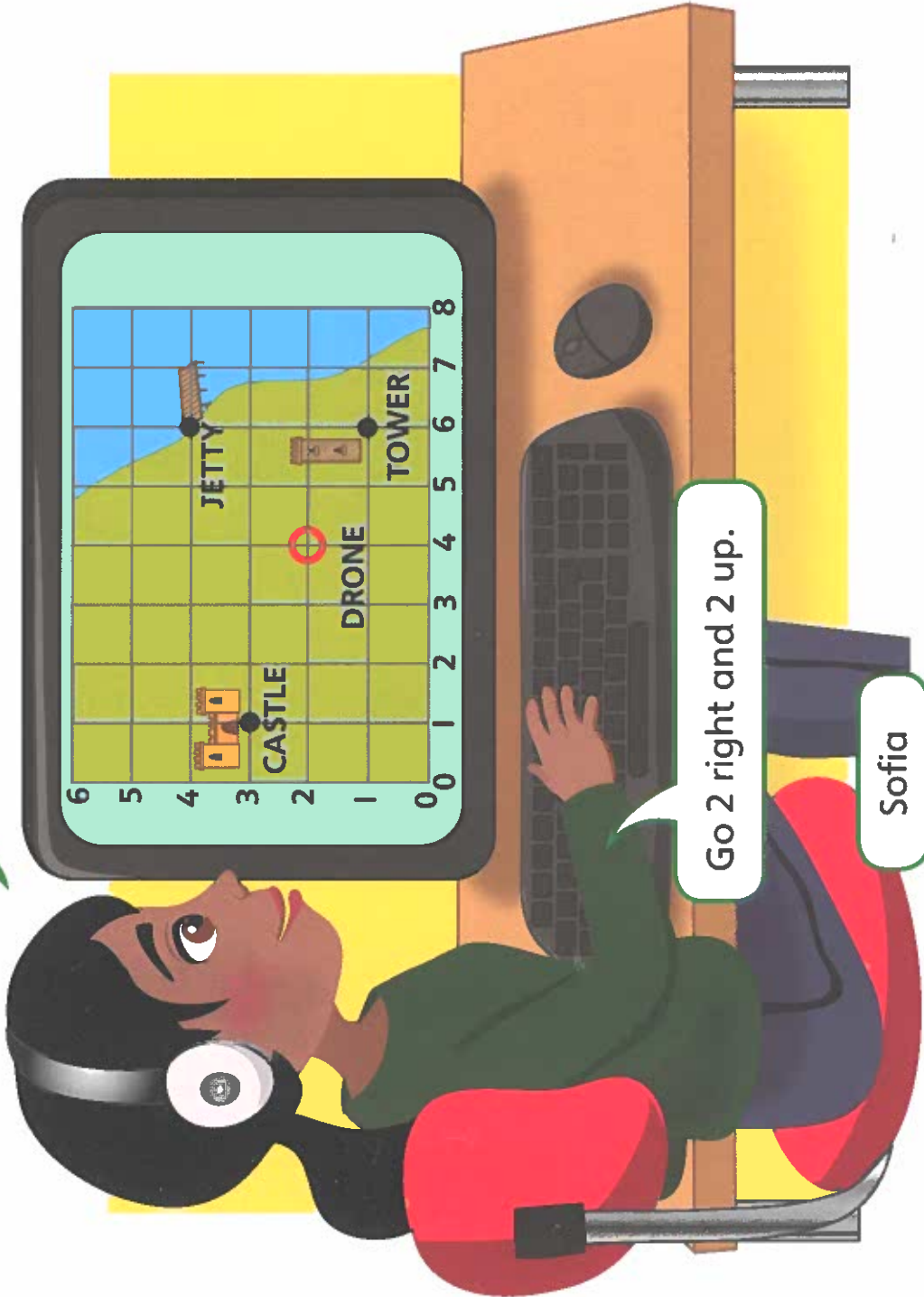


Moving on a grid

Discover

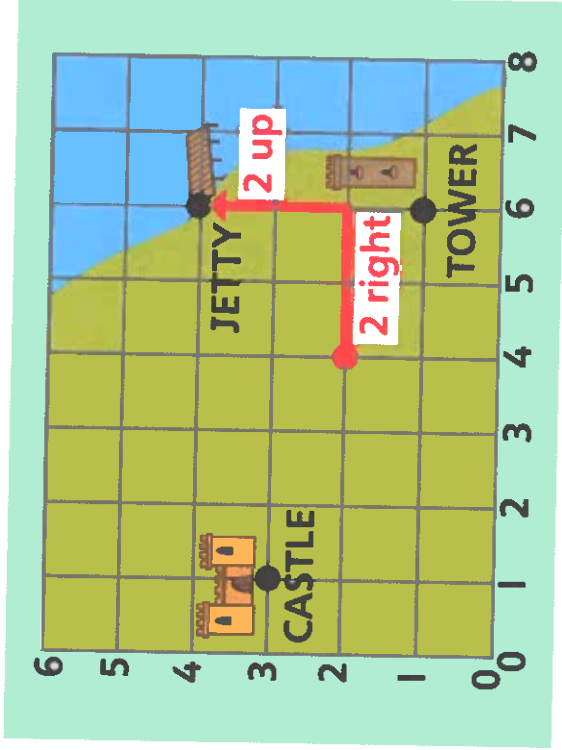
I am exploring a new site with a drone. There is something else I want to have a look at.



- 1 a) What feature does Sofia want to look at?
- b) Later, the drone was at the tower and Sofia told it to move 5 left and 2 up. Where did she send the drone to?

Share

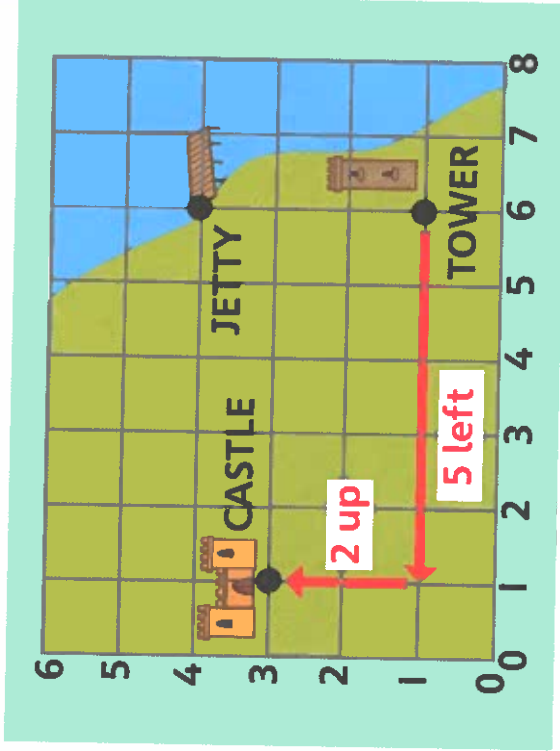
a) Sofia wants to look at the jetty.



I will draw the lines on the grid to show the drone going 2 right and 2 up.



b) The drone starts at the tower for this movement.



I wonder whether I could work out where the drone would go without drawing on the map.



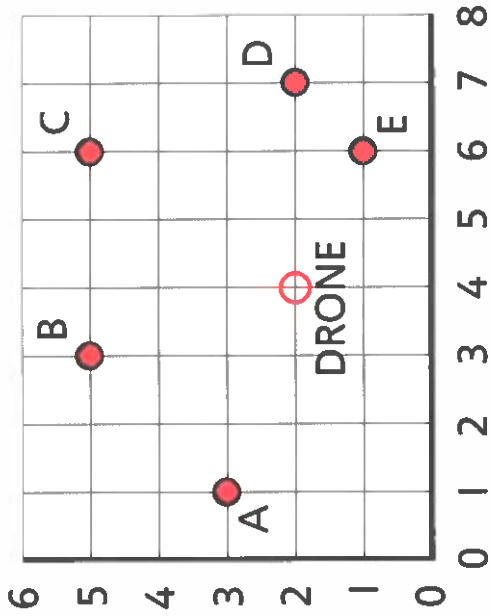
Sofia sent the drone to the castle.

Think together

- 1 These commands will take the drone to all of the places marked on the map in turn.

What order will the drone visit the places in?

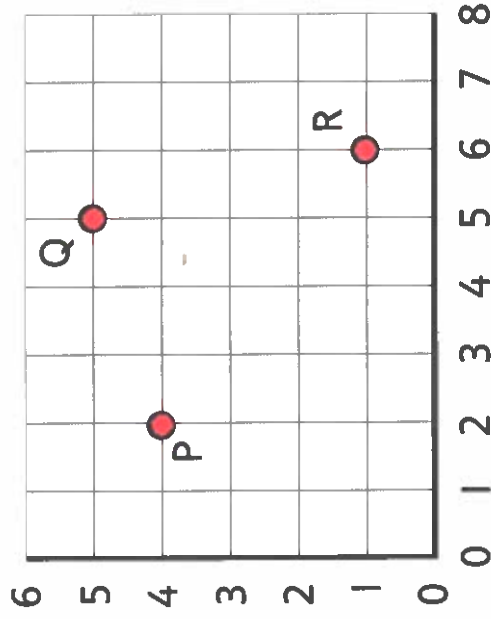
- 1 left, 3 up
- 4 right, 3 down
- 1 left, 3 up
- 4 down
- 5 left, 2 up



- 2 The map shows the position of three towns.

The journey from P to Q is '3 right, 1 up'. What journeys do these instructions describe?

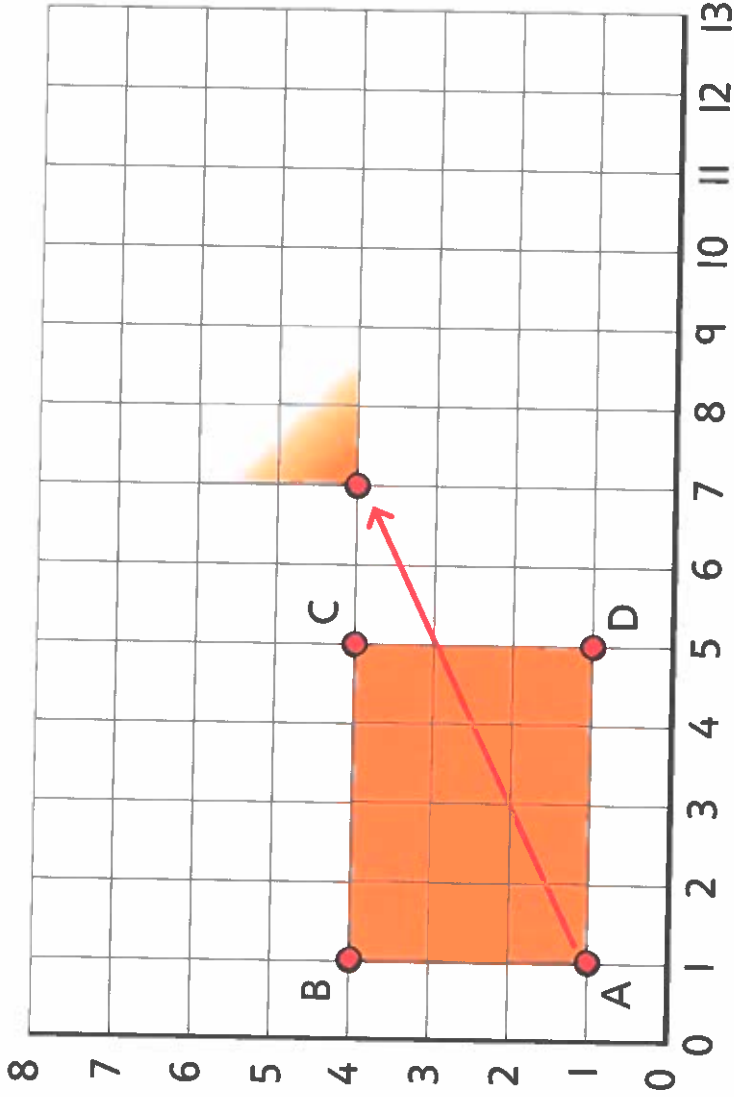
- a) 3 left, 1 down
- b) 4 right, 3 down
- c) 4 left, 3 up
- d) 1 right, 4 down
- e) 1 left, 4 up



Think together

- 3 The orange rectangle slides across the grid so that corner A moves from (1,1) to (7,4).

Where do the three other corners of the rectangle move to?



I will work out where each corner has moved to in turn.

I think there is another way. I will try to draw the rectangle in its new position.

