

Lesson 1 – WB 13/07

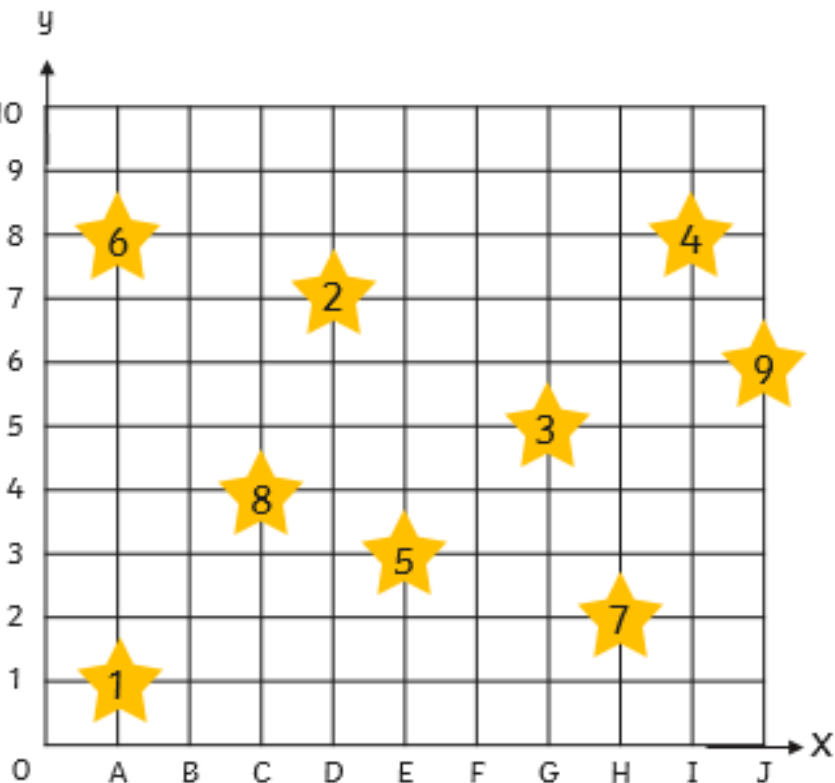
LO: To describe positions on a 2-D grid as coordinates in the first quadrant

Starter:

Number of the day: 7,961

- 1) Find 100 more
- 2) Find 1000 less
- 3) Write the value of each digit
- 4) Divide by 10
- 5) Round to the nearest 100
- 6) Reverse the digits to make another number than add them together
- 7) How many more to make 10,000?
- 8) Reverse the digits to make another number then find the difference between them
- 9) Find 0.1 less
- 10) Round to the nearest 10

Task 1: Today we are going to be looking at describing coordinates on a grid. You may remember the phrase *'along the corridor, up the stairs'* to ensure your coordinates are in the correct order.



This is called the first quadrant – sometimes there is more than one.

To describe the coordinates on this grid we need to read along the x-axis and then up the y-axis.

Just looking at this grid the coordinates will always start with a letter as the x-axis is labelled with letters.

Coordinates need to be in brackets and separated with a comma.

★ 1 (A,1)

★ 4

★ 7

★ 2 (D,7)

★ 5

★ 8

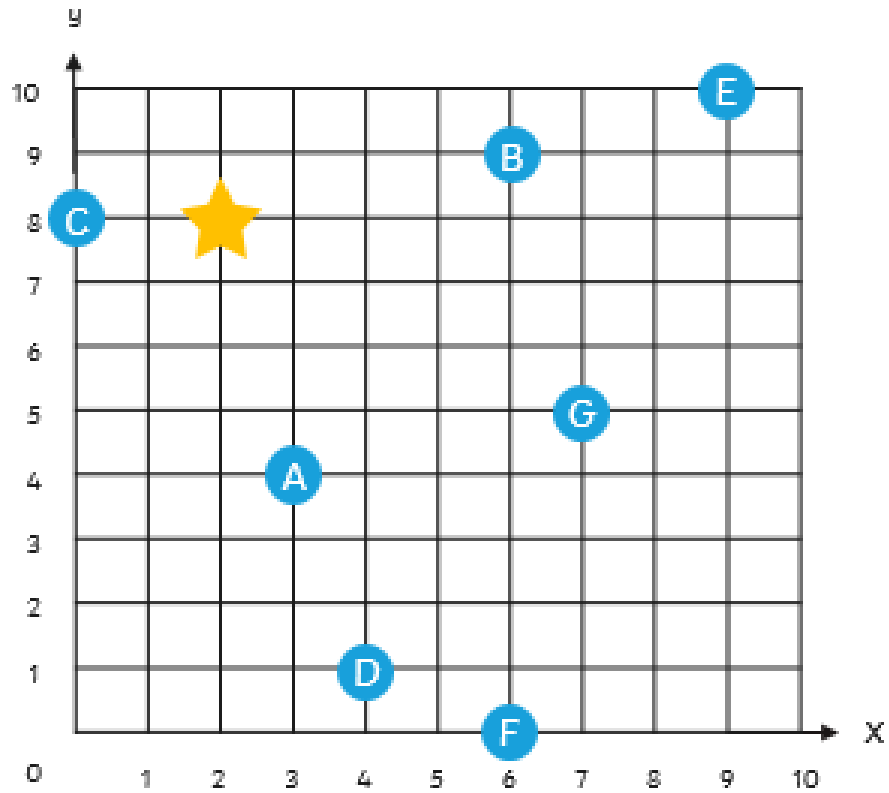
★ 3 (G,5)

★ 6

★ 9

Can you give the coordinates for the following stars?

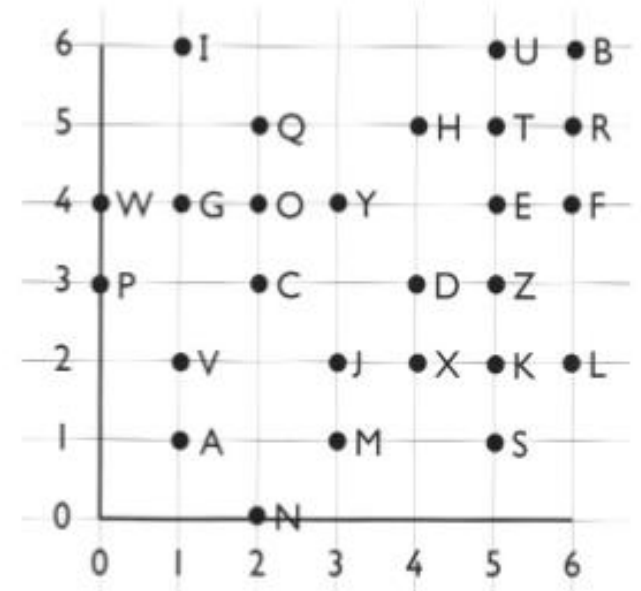
Task 2: Write down the coordinates of each letter – be careful as this time the x-axis and y-axis are both numbered. Make sure you go along the x-axis first.



- A
- B
- C
- D
- E
- F
- G

Challenge: Freddy says that the star coordinate is (8,2) and Marta says it is (2,8). Explain who is correct and what mistake was made.

Task 3: Can you decode the secret message by reading the coordinates?



- (0,4) (4,5) (3,4)
- (4,3) (2,4)
- (2,3) (2,4) (0,4) (5,1)
- (0,4) (5,4) (1,1) (6,5)
- (6,6) (5,4) (6,2) (6,2) (5,1) ?
- (6,6) (5,4) (2,3) (1,1) (5,6) (5,1) (5,4)
- (5,5) (4,5) (5,4) (1,6) (6,5)
- (4,5) (2,4) (6,5) (2,0) (5,1)
- (4,3) (2,4) (2,0) (5,5)
- (0,4) (2,4) (6,5) (5,2) !

