

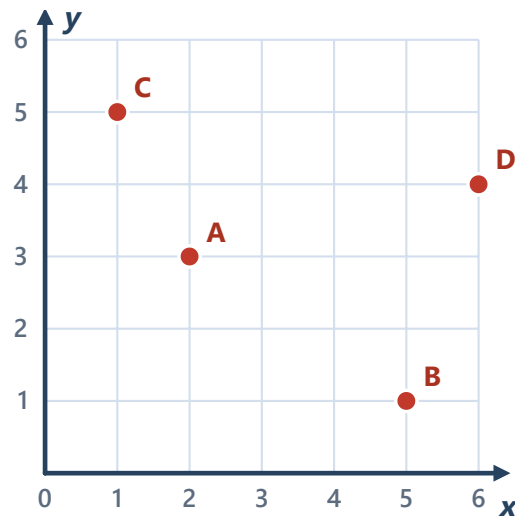
Year 4: Reading coordinates: answers

Year 4 - Coordinates and Translation - Lesson 10.1

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch10-position-direction/reading-coordinates/

Exercise 10A Reading and writing coordinates Non-calculator

1 Write the coordinates of each point.



(a) Point A

Answer: (2, 3)

(b) Point B

Answer: (5, 1)

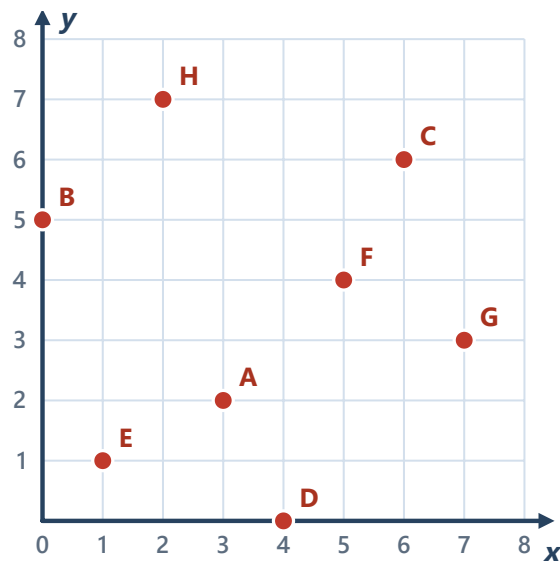
(c) Point C

Answer: (1, 5)

(d) Point D

Answer: (6, 4)

2 Which letter is at each point?



(a) (3, 2)

Answer: A

(b) (0, 5)

Answer: B

(c) (4, 0)

Answer: D

(d) (7, 3)

Answer: G

3 Write how far you go along and how far up to reach each point from the origin.

(a) (5, 2)

Answer: 5 along and 2 up

(b) (3, 6)

Answer: 3 along and 6 up

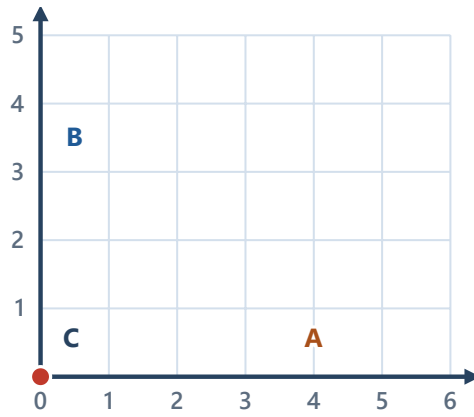
(c) (7, 0)

Answer: 7 along and 0 up

(d) (4, 4)

Answer: 4 along and 4 up

4 Look at the grid. A and B are two lines, and C is a point.



- (a) Which line is the **x-axis**? Write the letter.

Answer: A

- (b) Which line is the **y-axis**? Write the letter.

Answer: B

- (c) What is the point C called? Write its coordinates.

Answer: The origin, (0, 0)

5 Write the coordinates of each point as (along, up).

- (a) 3 along and 4 up

Answer: (3, 4)

- (b) 6 along and 1 up

Answer: (6, 1)

- (c) 0 along and 5 up

Answer: (0, 5)

- (d) 8 along and 8 up

Answer: (8, 8)

6 Write the coordinates of each point.

- (a) The origin

Answer: (0, 0)

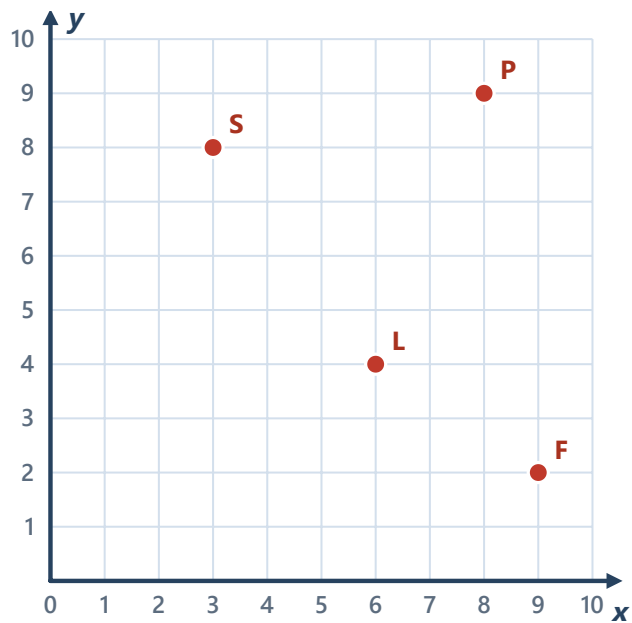
- (b) A point on the x-axis, 5 along

Answer: (5, 0)

- (c) A point on the y-axis, 3 up

Answer: (0, 3)

7 Here is a map of a town. **S** is the school, **P** is the park, **L** is the library and **F** is the football pitch. Write the coordinates of each place.



(a) S: the school

Answer: (3, 8)

(b) P: the park

Answer: (8, 9)

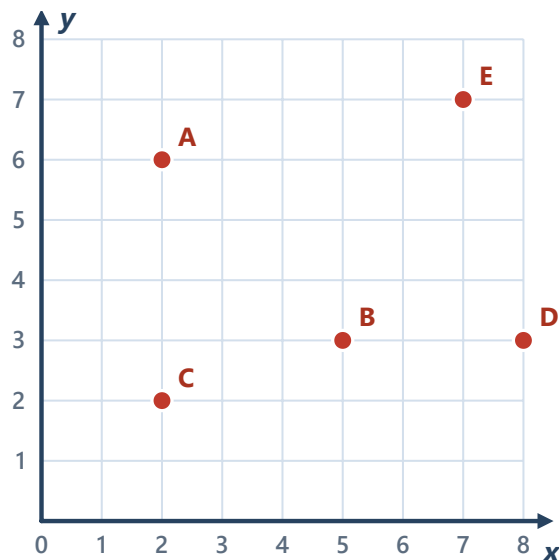
(c) L: the library

Answer: (6, 4)

(d) F: the football pitch

Answer: (9, 2)

8 Look at the points on the grid.



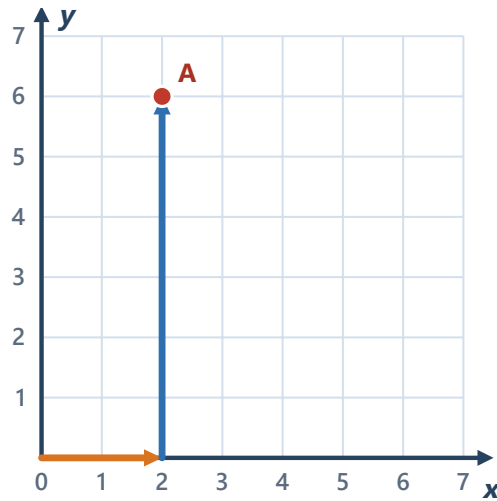
(a) Which two points have the same x-coordinate?

Answer: A and C

(b) Which two points have the same y-coordinate?

Answer: B and D

- 9 Noah says the coordinates of point A are (6, 2). What mistake has he made? What are the correct coordinates?



Answer: He wrote up first. A is (2, 6)

- 10 Write **true** or **false** for each statement.

(a) (6, 2) is further right than (2, 6).

Answer: True

(b) (5, 1) is higher up than (1, 5).

Answer: False

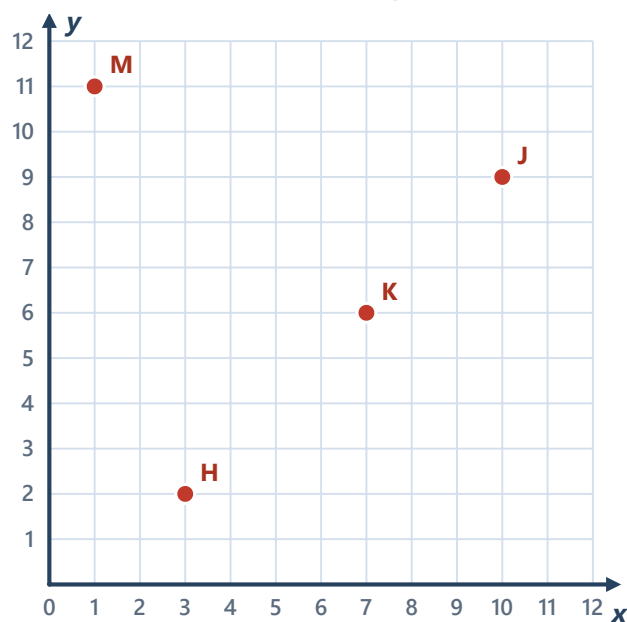
(c) (3, 4) is higher up than (3, 1).

Answer: True

(d) (2, 5) is further right than (6, 5).

Answer: False

- 11 Zainab delivers parcels to four houses, H, J, K and M, on a map.



(a) Write the coordinates of house J.

Answer: (10, 9)

- (b) Write the coordinates of house M.

Answer: (1, 11)

- (c) Which house has the biggest x-coordinate?

Answer: J

12 Write **always**, **sometimes** or **never** for each sentence.

- (a) The first number in a pair of coordinates tells you how far along to go.

Answer: Always

- (b) The two numbers in a pair of coordinates are the same.

Answer: Sometimes

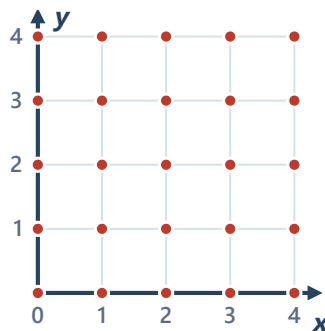
- (c) A point on the x-axis has 0 as its second number.

Answer: Always

- (d) The point (2, 7) is the same point as (7, 2).

Answer: Never

13 Mei has a grid with the numbers 0 to 4 along both axes. How many points on the grid have whole-number coordinates? Include the points on the axes.



Answer: 25