

Plotting coordinates in the first quadrant

Grade 2 | Foundation | 11 questions, 26 marks

GCSE Maths topic practice



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Name: _____ Date: _____ Score: _____ / 26

- 1 O is the origin of a coordinate grid.

The point A is 4 units to the right of O and 2 units up from O.

The point B is 3 units to the left of O and 5 units up from O.

a. Write down the coordinates of A.

b. Write down the coordinates of B.

(2 marks)

Answer _____

- 2 A point P is 3 squares across and 5 squares up from the origin O.

Write down the coordinates of P.

(1 mark)

Answer _____

- 3 A is the point with coordinates (2, 4).

B is the point with coordinates (8, 10).

Work out the coordinates of the midpoint of AB.

(2 marks)

Answer _____

- 4 Three corners of a rectangle are at (1, 1), (5, 1) and (5, 3).

Write down the coordinates of the fourth corner.

(2 marks)

Answer _____

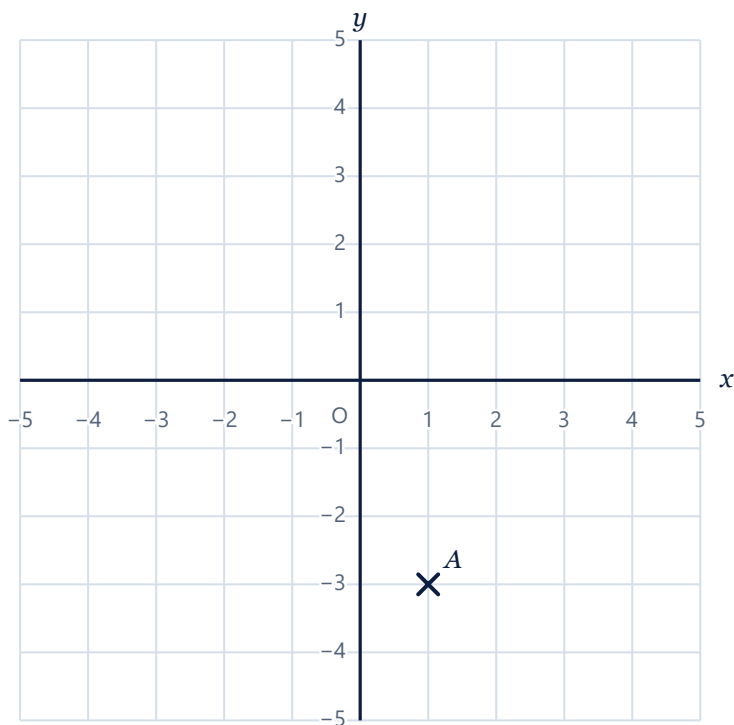
- 5 Three corners of a square are at (2, 2), (2, 5) and (5, 5).

Write down the coordinates of the fourth corner.

(2 marks)

Answer _____

- 6 The point A is shown on the grid.
- Write down the coordinates of A.
 - On the grid, plot the point B with coordinates $(-2, 3)$.
 - On the grid, plot the point C with coordinates $(4, 0)$.



(3 marks)

Answer _____

- 7 Point A is at $(3, 2)$. It is moved 4 squares to the right and 1 square up to point B.
Write down the coordinates of B.

(2 marks)

Answer _____

- 8 P is the point $(2, 2)$ and Q is the point $(6, 2)$.
Write down the coordinates of the midpoint of the line PQ.

(2 marks)

Answer _____

9

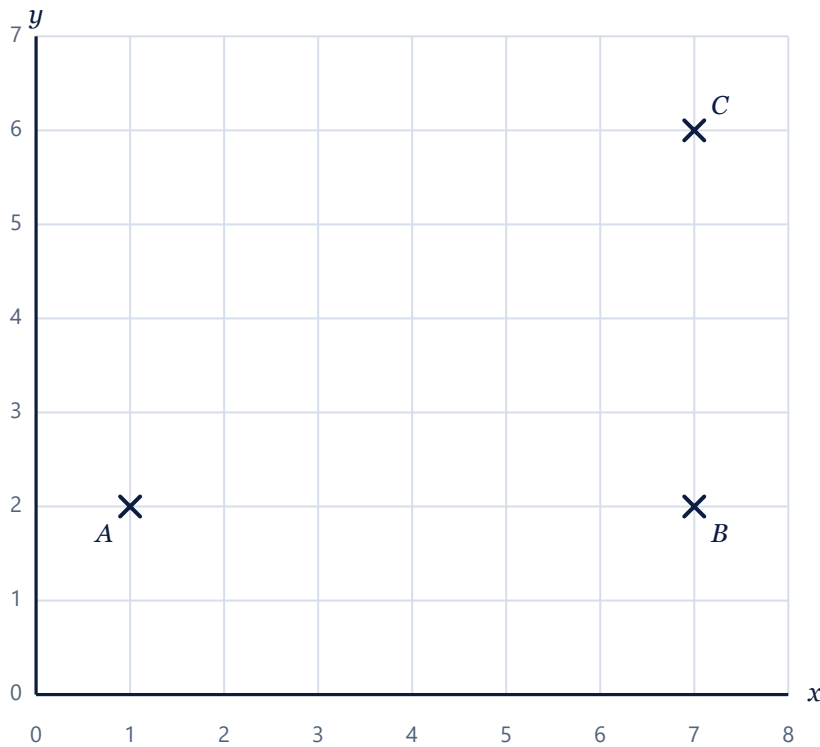
- a. The line $x = 5$ and the line $y = -1$ cross at the point P.
Write down the coordinates of P.
- b. The line $y = x$ and the line $x = 3$ cross at the point Q.
Write down the coordinates of Q.
- c. Write down the coordinates of the point where the line $y = 2$ crosses the y-axis.

(3 marks)

Answer _____

10

- Three vertices of a rectangle ABCD are A (1, 2), B (7, 2) and C (7, 6).
- a. Work out the coordinates of the vertex D.
- b. Work out the coordinates of the midpoint of the diagonal AC.

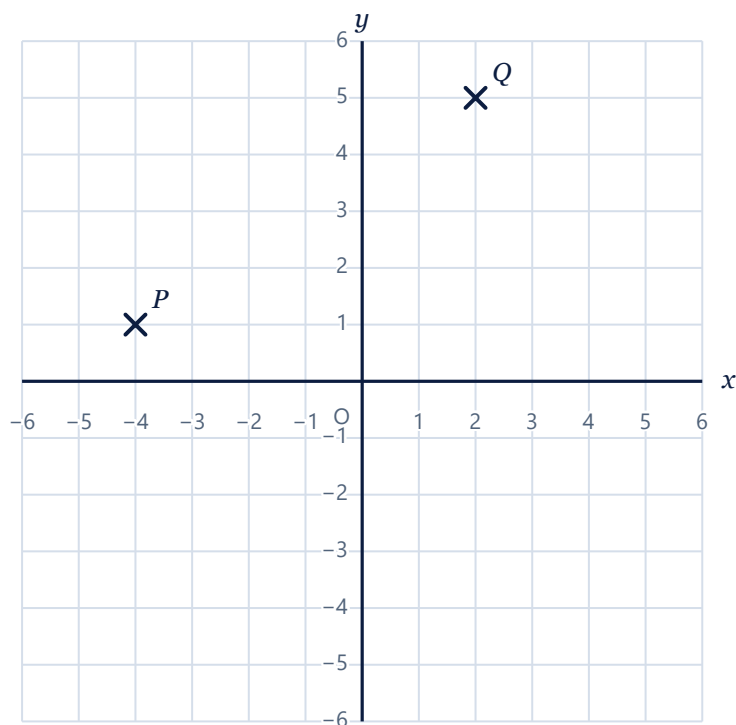


(3 marks)

Answer _____

11 The points P and Q are shown on the grid.

- Write down the coordinates of P.
- Write down the coordinates of Q.
- Work out the coordinates of the midpoint of PQ.
- On the grid, draw the line $y = -2$.



(4 marks)

Answer _____

End of questions | Total 26 marks