JRA Tutors
Private tuition and small online Study Pods

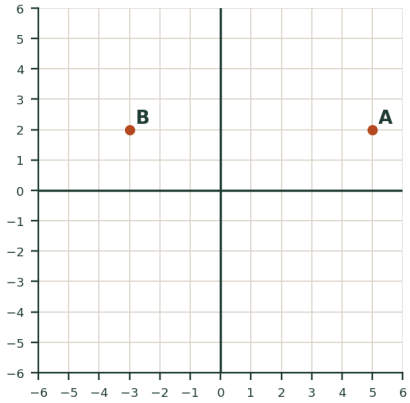
Coordinates

Grade 1 topic · Foundation and Higher · Edexcel and AQA

How to use this pack
20 questions that get harder as you go. Foundation students: aim for Questions 1–15 (27 marks) and have a go at the rest. Higher students: complete all 20. Show your working on the lines and write your final answer on the answer line, then mark yourself with the answers at the back. Diagrams are not drawn accurately. Total: 45 marks.

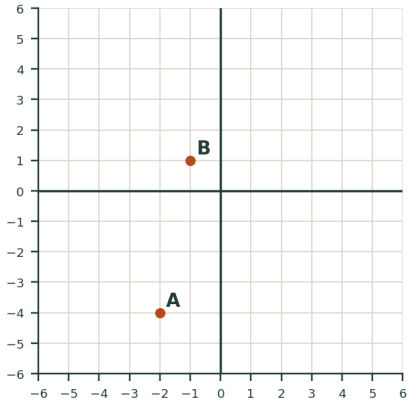
Warm-up

1 Write down the coordinates of point A. **[1 mark]**



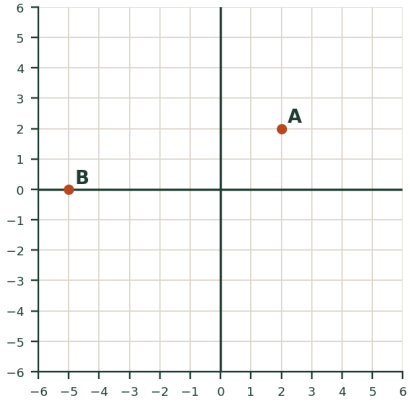
Answer _____

2 Write down the coordinates of point B. **[1 mark]**



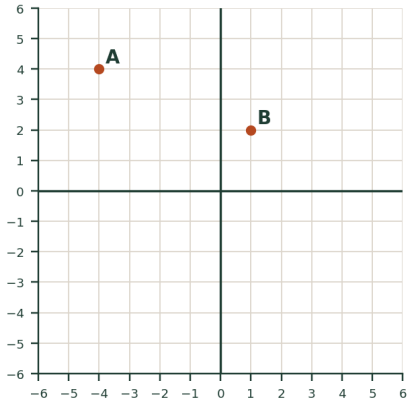
Answer _____

3 Write down the coordinates of point A. **[1 mark]**



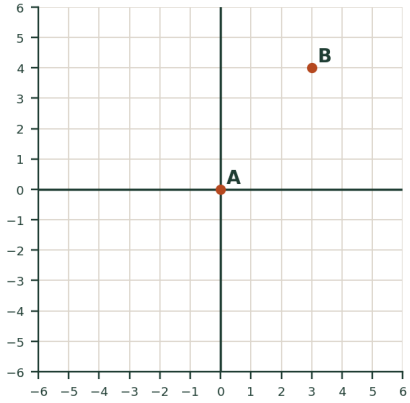
Answer _____

4 Write down the coordinates of point B. **[1 mark]**



Answer _____

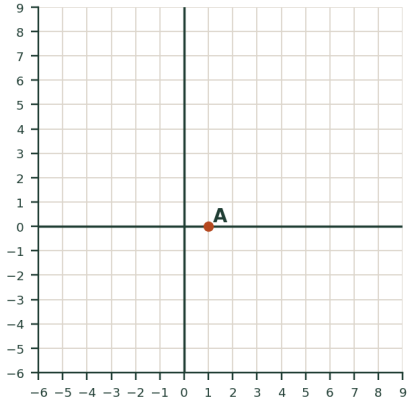
5 Write down the coordinates of point A. **[1 mark]**



Answer _____

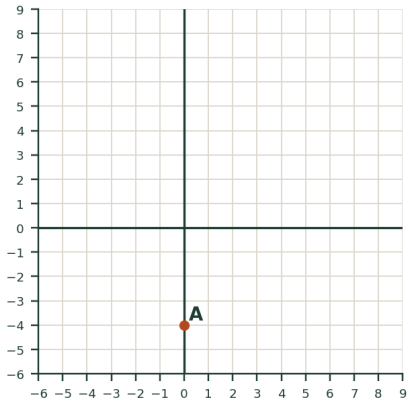
Core

6 Point A is shown on the grid. Write down the coordinates of the point 3 units to the right of A and 2 units down. **[2 marks]**



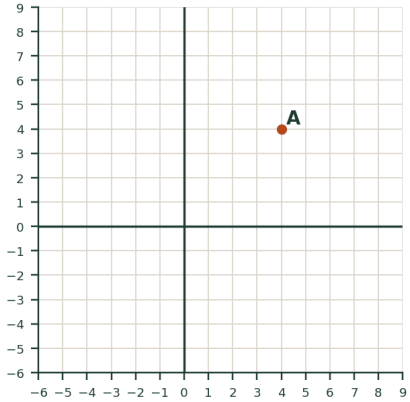
Answer _____

7 Point A is shown on the grid. Write down the coordinates of the point 3 units to the right of A and 2 units down. **[2 marks]**



Answer _____

8 Point A is shown on the grid. Write down the coordinates of the point 3 units to the right of A and 2 units down. **[2 marks]**



Answer _____

9 ABCD is a rectangle. A is (1, 1), B is (5, 1) and C is (5, 4). Find the coordinates of D. **[3 marks]**

Answer _____

10 Write down the coordinates of the point on the y-axis where y = 3. **[1 mark]**

Answer _____

Stretch

11 A is (1, −4) and B is (3, −4). Work out the horizontal distance between A and B. **[2 marks]**

Answer _____

12 The point P(4, 3) is moved 4 units left and 3 units up. Write down its new coordinates. **[2 marks]**

Answer _____

13 A is (2, 4) and B is (3, 1). Work out the vertical distance between A and B. **[2 marks]**

Answer _____

14 M is the midpoint of AB. A is (−7, 2) and B is (−1, 6). Find the coordinates of M. **[3 marks]**

Answer _____

15 Which of these points lies on the line y = x + 2: (1, 3), (2, 5), (−1, 0), (3, 6)? **[3 marks]**

Answer _____

Challenge

16 ABCD is a parallelogram. A is (1, 2), B is (5, 2) and C is (7, 5). Work out the coordinates of D. **[4 marks]**

Answer _____

17 Three corners of a square are (0, 0), (4, 0) and (4, 4). Write down the coordinates of the fourth corner and the area of the square. **[3 marks]**

Answer _____

18 A is (−3, 2) and B is (5, 2). The point C lies on the perpendicular bisector of AB with y-coordinate 6. Write down the coordinates of C. **[4 marks]**

Answer _____

19 A line segment has endpoints (−2, −1) and (6, 5). Find its midpoint. **[3 marks]**

Answer _____

20 The points (1, 1), (4, 1) and (4, 5) are three vertices of a rectangle. Work out its perimeter. **[4 marks]**

Answer _____