Test - Coordinates and translation

Year: Year 4 · Duration: 35 minutes · /20

Name:	Date:	**Mark:** /20

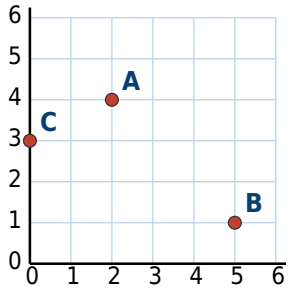
Question	1	2	3	4	5	Total
marks	4	4	4	4	4	**20**
Mark						

Show your working.

Question 1 (4 marks)

Question 1 – Reading and plotting

Look at the grid.



a. Write the coordinates of A, B and C. (3 marks)
b. Which point is on the vertical axis? (1 mark)

Question 2 (4 marks)

Question 2 – A rectangle

Three corners of a rectangle are (1, 2), (6, 2) and (6, 5).

a. Write the fourth corner. (1 mark)
b. Find the perimeter. (2 marks)
c. Find the area. (1 mark)

Question 3 (4 marks)

Question 3 – Translating points

Translate each point.

a. (2, 3) moved 4 right and 2 up (1 mark)
b. (7, 5) moved 3 left and 1 down (1 mark)
c. Describe the translation from (1, 6) to (5, 2). (2 marks)

Question 4 (4 marks)

Question 4 – Translating a shape

A triangle has corners P (1, 1), Q (4, 1) and R (1, 3). It is translated 2 right and 3 up.

a. Write the new corners P′, Q′ and R′. (3 marks)
b. What is the base of the new triangle? (1 mark)

Question 5 (4 marks)

Question 5 – The paths in the park

A park is drawn on a grid. The gate is at (0, 0), the cafe at (5, 0), the pond at (5, 4) and the playground at (2, 4). Each square is 20 m. A path runs from the gate to the cafe, then to the pond, then to the playground.

a. How many squares is the path from the gate to the cafe? (1 mark)
b. How long is the whole path in squares? (2 marks)
c. How long is the path in metres? (1 mark)