Coordinates: location and translation — Further practice

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Further practice 11

Locate $P(2, 5)$: which quadrant?

A. Quadrant III.
B. Quadrant IV.
C. Quadrant I.
D. Quadrant II.

Further practice 12

Locate $P(3, -4)$: which quadrant?

A. Quadrant I.
B. Quadrant II.
C. Quadrant III.
D. Quadrant IV.

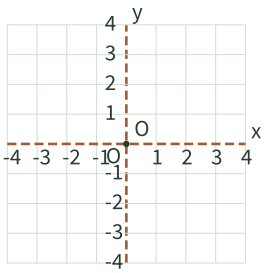
Further practice 13

Locate $P(0, 0)$: on which axis or at the origin?

A. At the origin.
B. In a quadrant.
C. No location is determined.

Further practice 14

Plot P(−2,3) and Q(3,−2). Explain why the points differ.



Use the labelled axes and unit grid.

Extension 15

From (−1,−2), walk right 4, left 1, up 3 and down 2 grid steps. Find the endpoint and total grid-route length.

Extension 16

In a map with the same east/north directions and unit, a park is (2,3) relative to the old origin O. The new origin is the old point (1,−1). Find the park coordinates relative to the new origin.