All four quadrants: first walk

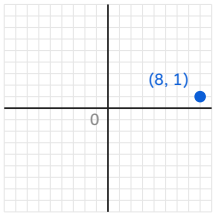
MODULE 7 · DATA, CHANCE AND THE CO-ORDINATE PLANE DATA & CHANCE

HOW TO ANSWER TODAY

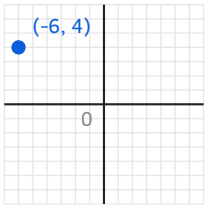
- **Quadrants.** Q1 is top-right; numbering goes ANTICLOCKWISE. A point on an axis is on the axis, not in a quadrant.
  (3, 5) → Q1 (−2, 1) → Q2 (0, 4) → on the y-axis

STRETCH PROBLEMS

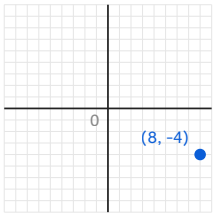
1. Cian is drawing a plan of the school on grid paper. He marks the PE hall at the point (8 , 1). Which quadrant contains this point?



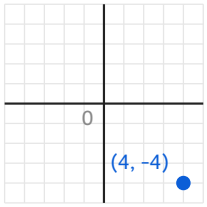
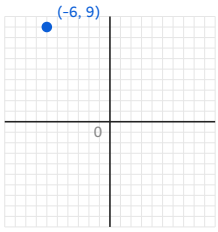
2. Oisín draws a plan of the school yard on grid paper, with the flagpole at the origin. He marks the basketball hoop at the point (- 6 , 4). Which quadrant of the grid is the basketball hoop in?



3. Saoirse maps the school orchard on a grid, with the old oak at the centre as the origin. She marks an apple tree at the point (8 , - 4). Which quadrant of the grid contains the apple tree?



4. Cian draws a plan of the school yard on grid paper, with the flagpole at the origin. He marks the bike shed at the point (4 , - 4). Which quadrant of the grid does the bike shed lie in?



5. Saoirse is mapping the trees in the school orchard on a grid, with the flagpole at the origin. She marks a young apple tree at the point (- 6 , 9). Which quadrant of the grid contains this tree?