Plotting points in the first quadrant

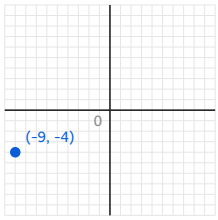
MODULE 8 · LOCATION, TRANSFORMATIONS AND SCALE SHAPE & SPACE

HOW TO ANSWER TODAY

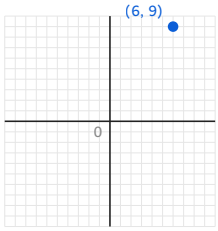
- **Quadrants.** Q1 is top-right; numbering goes ANTICLOCKWISE. A point on an axis is on the axis, not in a quadrant.
  (3, 5) → Q1 (−2, 1) → Q2 (0, 4) → on the y-axis

STRETCH PROBLEMS

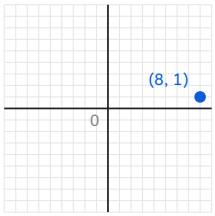
1. Tadhg marks the starting positions for the school relay race on a coordinate grid. One runner starts at (- 9 , - 4). Which quadrant contains this point?



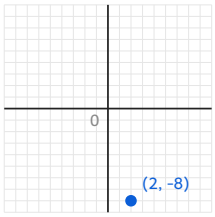
2. Fionn draws a coordinate grid to show where each pupil sits in 6th class. One desk is marked at the point (6 , 9). Which quadrant contains this point?



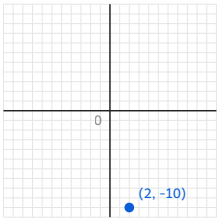
3. At indoor break, Saoirse and Tadhg play a battleship-style game on squared grid paper. Saoirse marks one of her ships at the point (8 , 1). Which quadrant contains the point (8 , 1)?



4. The PE teacher sketches a coordinate grid on the yard to plan relay-race starting spots. One runner is placed at the point (2 , - 8). Which quadrant contains that point?



5. Tadhg and his friends mark cone positions on a coordinate grid in the school yard for a treasure hunt game. One cone is placed at the point (2 , - 10). Which quadrant contains this point?



SHAPE & SPACE