

Plotting co-ordinates

Sheet 1

Use a ruler to draw axes for each question, like the ones used earlier in the lesson.

- Plot these points to make squares. Use a different colour for each.
 - $(1, 2), (1, 7), (6, 2), (6, 7)$
 - $(-4, 0), (-4, 4), (0, 0), (0, 4)$
 - $(-8, 2), (-2, 2), (-2, 8), (-8, 8)$
 - $(-1, 9), (-1, 5), (3, 9), (3, 5)$
- Plot these points to make rectangles. Use a different colour for each.
 - $(0, 7), (9, 3), (9, 7), (0, 3)$
 - $(-4, 3), (-4, 0), (0, 3), (0, 0)$
 - $(-6, 4), (1, 8), (1, 4), (-6, 8)$
 - $(7, 9), (-1, 5), (7, 5), (-1, 9)$
- Plot the three points. Work out the fourth point to make a square. Write down its co-ordinates. Draw the square. Use a different colour for each.
 - $(-1, 2), (1, 2), (1, 0), (\quad , \quad)$
 - $(-2, 9), (1, 9), (1, 6), (\quad , \quad)$
 - $(-1, 7), (-1, 3), (3, 3), (\quad , \quad)$
 - $(-3, 1), (-7, 5), (-3, 5), (\quad , \quad)$

Challenge

Plot the two points. Work out the two other points to make a square. Write down their co-ordinates. Draw the square.

$(-2, 1), (4, 1), (\quad , \quad), (\quad , \quad)$

Are there any other possibilities?

Plot and draw as many as you can, using a different colour for each.