



These questions cover coordinates and translation on a grid, taught during Year 4. No calculators.

Name:

Date:

Section A: Coordinates

1. A rectangle has corners at (2,2), (2,6), (7,6) and (7,2). What are its width and height?

2. A square has corners at (1,1), (1,5), (5,5) and (5,1). What is its perimeter, if 1 square = 1cm?

3. Three corners of a rectangle are (0,2), (0,7) and (4,7). What is the fourth corner, and the area?

4. A shape has one corner at (3,1). After a translation, the same corner is at (8,6). Describe the translation.

5. Which point is closer to the origin: (2,2) or (5,1)? Explain how you worked it out.

Section B: Translation

1. A shape with corners (2,3),(5,3),(5,6),(2,6) is translated so (2,3) moves to (6,8). Describe the translation, and give the new corners.

2. A point moves from (1,8) to (9,2). Describe the translation.

3. A point at (0,0) is translated 3 right and 4 up, then 2 left and 1 down. What are the final coordinates?

4. A shape is translated 4 right and 3 up, then translated back to its original position. Describe the second translation.