Homework/Extension Step 1: Position in the First Quadrant

National Curriculum Objectives:

Mathematics Year 5: (5P2) <u>Identify, describe and represent the position of a shape</u> following a reflection or translation, using the appropriate language, and know that the shape has not changed

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Decide which child is correct by reading and writing coordinates, using up to 4 points, all points plotted on a 5x5 grid, using 1:1 scale.

Expected Decide which child is correct by reading and writing coordinates, using up to 6 points, all points plotted on a 10x10 grid, using 1:1 scale.

Greater Depth Decide which child is correct by reading and writing coordinates, using up to 6 points, all points plotted on a 10x10 grid, using varying scales with some points plotted between increments.

Questions 2, 5 and 8 (Varied Fluency)

Developing Plot coordinates to identify the shape, using up to 4 points, all points plotted on a 5x5 grid, using 1:1 scale.

Expected Plot coordinates to identify the shape, using up to 6 points, all points plotted on a 10x10 grid, using 1:1 scale.

Greater Depth Plot coordinates to identify the shape, using up to 6 points, all points plotted on a 10x10 grid, using varying scales with some points plotted between increments.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Write the possible coordinates that could be used to plot a given shape, using up to 4 points, all points plotted on a 5x5 grid, using 1:1 scale.

Expected Write the possible coordinates that could be used to plot a given shape, using up to 6 points, all points plotted on a 10x10 grid, using 1:1 scale.

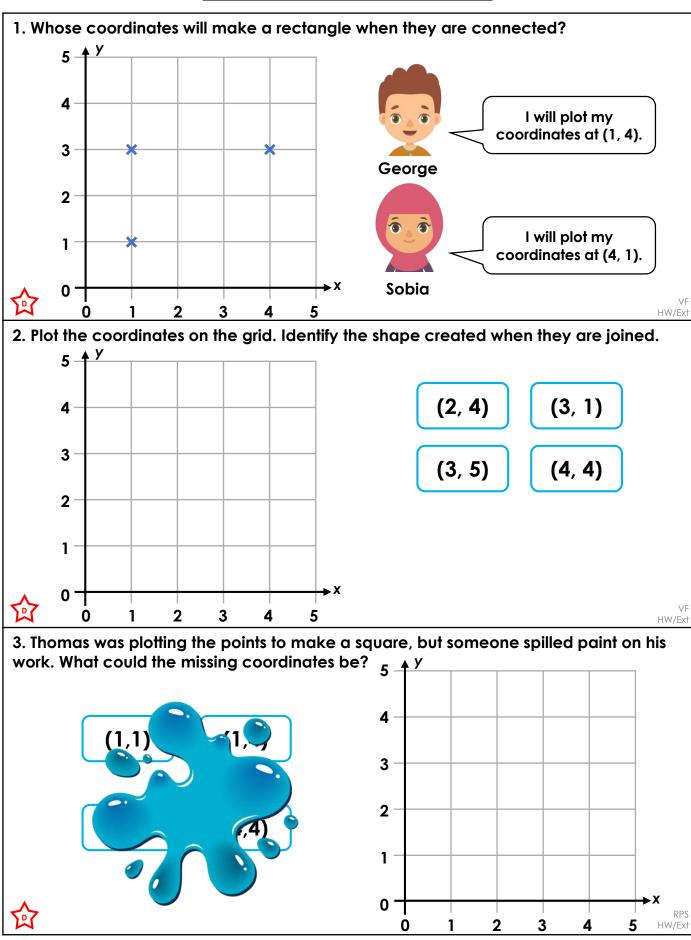
Greater Depth Write the possible coordinates that could be used to plot a given shape, using up to 6 points, all points plotted on a 10x10 grid, using varying scales with some points plotted between increments.

More Year 5 Geometry: Position and Direction resources.

Did you like this resource? Don't forget to review it on our website.



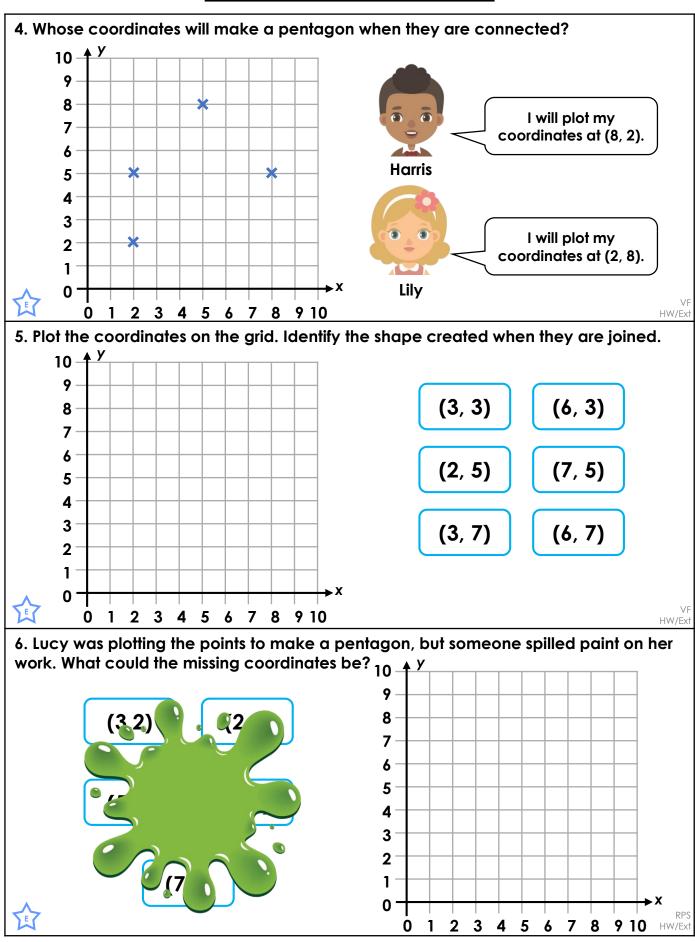
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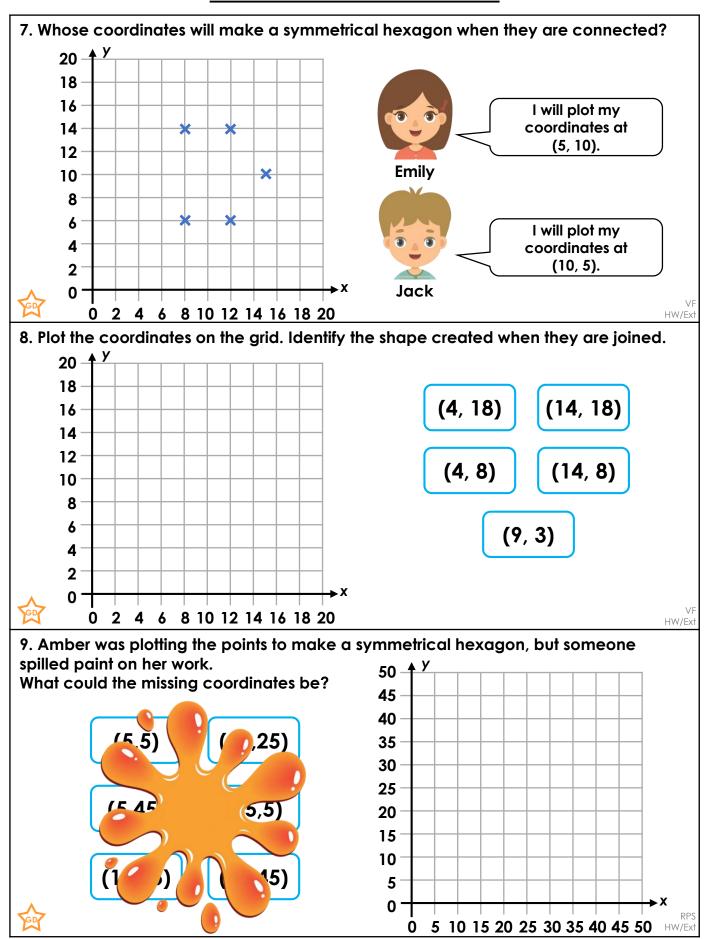


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<u>Homework/Extension</u> Position in the First Quadrant

Developing

- 1. Sobia (4,1)
- 2. Kite
- 3. Accept any coordinates that would make a square, for example; (1, 1), (1, 4), (4, 1), (4, 4)

Expected

- 4. Harris (8,2)
- 5. Hexagon
- 6. Accept any coordinates that would make a pentagon, for example; (3, 2), (2, 5), (5, 8), (8, 5), (7, 2)

Greater Depth

- 7. Emily (5,10)
- 8. Pentagon
- 9. Accept any coordinates that would make a symmetrical hexagon, for example; (5, 5), (35, 25), (5, 45), (45, 5), (15, 25), (45, 45)

