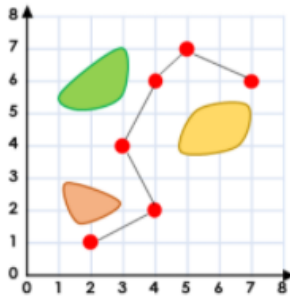


The Pirate Pearl - Answers

1. Plot the given coordinates on her map. Join the coordinate points together to show the route she takes.

Discuss which axis we read first on the grid. Discuss joining points together accurately using a ruler.

Points plotted accurately on the grid (as shown) and joined accurately to show Pearl's route.



2. Write the coordinates for each point.

Discuss how to write and present the written coordinates. Reminder of which axis we read first.

A = (1, 3); B = (2, 5); C = (4, 7); D = (6, 6); E = (7, 4)

3. Write and plot six more coordinates which take Pearl safely through the rocks.

Discuss a good strategy to use: marking the route first and then writing each coordinate. Discuss making sure they start and end in the correct places.

Various answers, for example: (2, 2); (3, 3); (3, 5); (4, 7); (5, 6); (7, 6)

4. Plot and join the points to find out what shape her route made.

Discuss plotting the points accurately. Discuss how you will know if you have made a mistake.

She sailed in a trapezium.

5. Plot and write the coordinates for a different shaped route around the island.

Discuss what other shapes she could have sailed in around the island. Does it have to be a quadrilateral? This question is open-ended for the children to explore.

Various answers, for example: rectangle ; (1, 2), (1, 7), (7, 2), (7, 7)