

Finn's Ocean Mapping Adventure: A Grid Reference Challenge

Learning objective: To identify and use four-figure grid references to locate features on a map accurately.

Join Finn the dolphin on his underwater expedition! Use your knowledge of coordinates to navigate the map. Remember: 'Along the corridor and up the stairs' to find your grid square.

Answer Key: 1. B (12, 45); 2. True; 3. Easting; 4. True; 5. B (Go right, then up); 6. 14, 46; 7. False (Northing is the vertical line); 8. C (They represent the bottom-left corner); 9. Intersection; 10. True.

Word bank: Coordinates · Easting · Northing · Grid Square · Map Legend · Intersection

1. 1. If Finn is at the bottom-left corner of a square, and the horizontal line is 12 and the vertical line is 45, what is the correct four-figure grid reference? A) 45, 12 B) 12, 45* C) 124, 5 D) 1, 2, 4, 5 (1 mark)

2. 2. True or False: A four-figure grid reference identifies a specific square on a map, not a single point. (1 mark)

3. 3. What is the technical name for the numbers that run along the bottom of the map (the horizontal axis)? (1 mark)

4. 4. True or False: When reading a grid reference, you must always identify the Easting before the Northing. (1 mark)

5. 5. Which phrase helps us remember how to read grid references correctly? A) Up the stairs, along the corridor B) Along the corridor, up the stairs* C) Down the stairs, across the hall D) Across the ceiling, down the wall (1 mark)

6. 6. If a sunken treasure chest is located in the square between Eastings 14 and 15, and Northings 46 and 47, what is its four-figure grid reference? (1 mark)

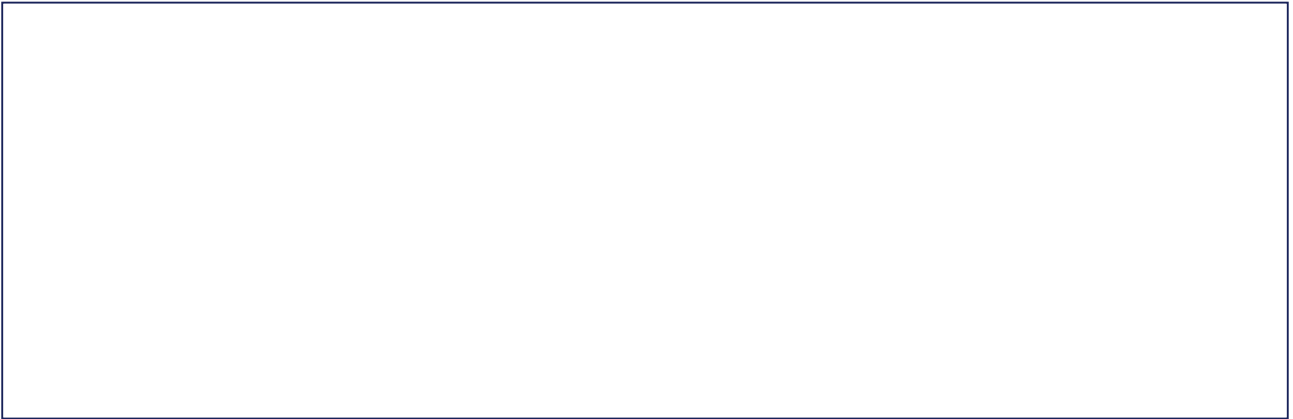
7. 7. True or False: The Northing is the horizontal line on a map. (1 mark)

8. 8. What do the two numbers in a four-figure grid reference actually represent? A) The centre of the square B) The top-right corner C) The bottom-left corner* D) The distance in miles (1 mark)

9. 9. A grid reference is found at the _____ of two grid lines. (1 mark)

10. 10. True or False: Maps use grid lines to help explorers like Finn navigate accurately without getting lost. (1 mark)

Draw: Draw a simple 4x4 grid map of an island. Include a palm tree in square 01, 02 and a ship in square 03, 01. Label your Eastings and Northings clearly.



Extension challenge: Explain why map makers choose to use grid systems instead of just describing locations by sight. Compare and contrast how a simple grid map is helpful for a hiker versus how it might be limited. Justify your answer: What might happen if the Easting and Northing numbers were swapped when giving directions to a rescue team?