

# 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)**

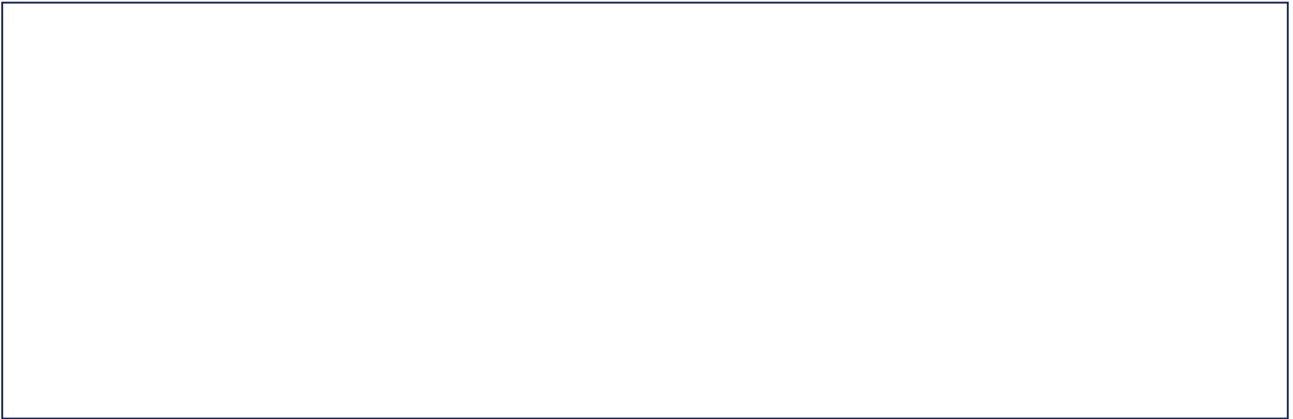
**7. 7. True or False: The Northing is the horizontal line on a map. (1 mark)**

**8. 8. What do the two numbers in a four-figure grid reference actually represent? A) The center 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?*