

Finn's Ocean Explorer Grid Challenge

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

Finn the dolphin is mapping out a new coral reef. He has created a grid of the ocean floor. Use the map grid below to answer the questions. Remember: always go 'along the corridor' (the bottom horizontal numbers) first, then 'up the stairs' (the vertical numbers on the side).

Word bank: Four-figure grid reference · Horizontal axis · Vertical axis · Coordinate · Map key

1. Finn spots a rare Sunken Ship at grid square 24. Which two numbers should you look for on the horizontal and vertical axes to find this square? Explain how you found it. (2 marks)

2. There is a patch of colorful Seaweed located at 12. If Finn moves one square to the right and two squares up, what is the new four-figure grid reference? (2 marks)

3. Look at grid square 35. If the map key shows a symbol of a Starfish there, is it located in the top-left or bottom-right of the map? Explain your reasoning. (2 marks)

4. Finn wants to swim from the Coral Colony at 42 to the Pearl Cave at 44. How many squares north does he need to travel? (2 marks)

5. True or False: A four-figure grid reference tells you the exact spot of an object within a square. Give a reason for your answer. (2 marks)

Draw: Draw a 5x5 grid. Label the bottom axis 1-5 and the side axis 1-5. Draw a treasure chest in square 3,3 and a dolphin in square 1,5. Add a simple map key to show what the symbols represent.



Extension challenge: Design your own treasure map on squared paper. Create three four-figure grid references for a friend to solve and see if they can find your hidden 'gold'!