

Finn's Oceanic Grid Adventure

Learning objective: To accurately identify and use four-figure grid references on an Ordnance Survey style map.

Join Finn the dolphin as he navigates the coastal waters! Use your knowledge of coordinates to help Finn map the locations of his favorite sea-treasures. Remember: 'Along the corridor, then up the stairs!'

Answer Key: 1. B (12, 34); 2. True; 3. Eastings; 4. B (24, 56); 5. False (Northings go up); 6. 34; 7. True; 8. A (45, 12); 9. Northings; 10. False (Always across first).

Word bank: Grid reference · Eastings · Northings · Coordinates · Map · Vertical · Horizontal

1. 1. When reading a four-figure grid reference, which is the correct order? A) Up then Across B) Across then Up* C) Down then Across D) Up then Down (1 mark)

2. 2. True or False: The numbers along the bottom edge of a map are called Eastings. (1 mark)

3. 3. Which set of grid lines represents the distance travelled along the horizontal axis? (1 mark)

4. 4. If Finn is at a point in the square between 24 and 25 (Eastings) and 56 and 57 (Northings), what is the four-figure reference? A) 25, 57 B) 24, 56* C) 56, 24 D) 57, 25 (1 mark)

5. 5. True or False: Northings are the lines that run horizontally across the map from left to right. (1 mark)

6. 6. In the grid reference 1234, which two digits represent the Northings? (1 mark)

7. 7. True or False: A four-figure grid reference identifies a specific 1km x 1km square on a map. (1 mark)

8. 8. Which of these is a correctly formatted four-figure grid reference? A) 45, 12* B) 4.5, 1.2 C) 45/12 D) 45-12 (1 mark)

9. 9. What is the name of the vertical lines on a map that help us measure how far north we have travelled? (1 mark)

10. 10. True or False: You should always identify the vertical grid line before the horizontal grid line. (1 mark)

Draw: Draw a simple 4x4 grid. Label the bottom axis 10, 11, 12, 13, 14 and the side axis 20, 21, 22, 23, 24. Draw a small treasure chest in the square 12, 22.



Extension challenge: Imagine Finn has found a sunken treasure chest that costs £15.50 to restore. If he saves £2.50 each week from his shell-collecting job, how many weeks will it take him to afford the restoration?