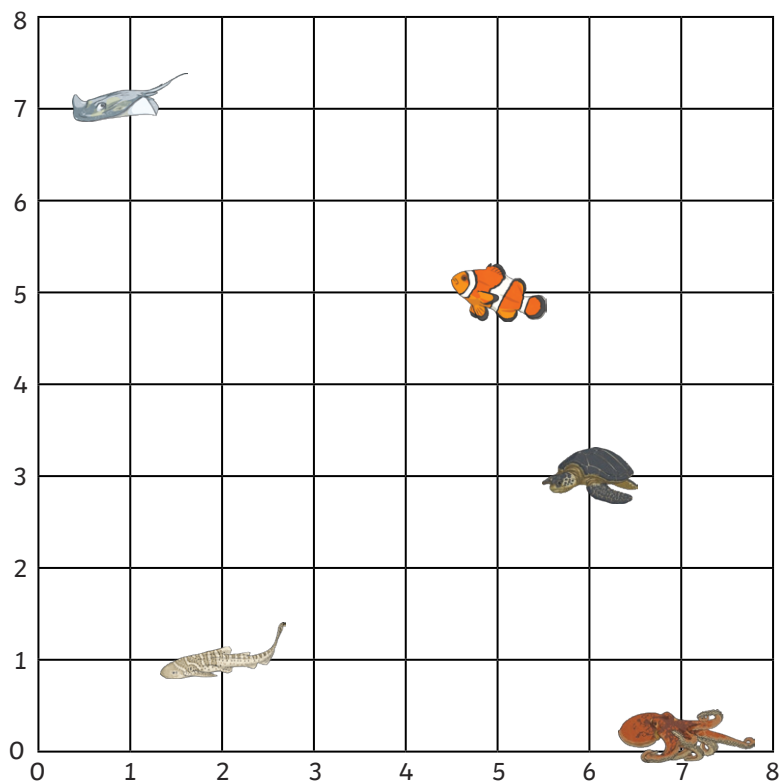








1) Martin has gone scuba diving. He has a list of sea creatures that he really wants to see. Can you give him the coordinates to find each of the sea creatures on his list?




 clownfish = (,)

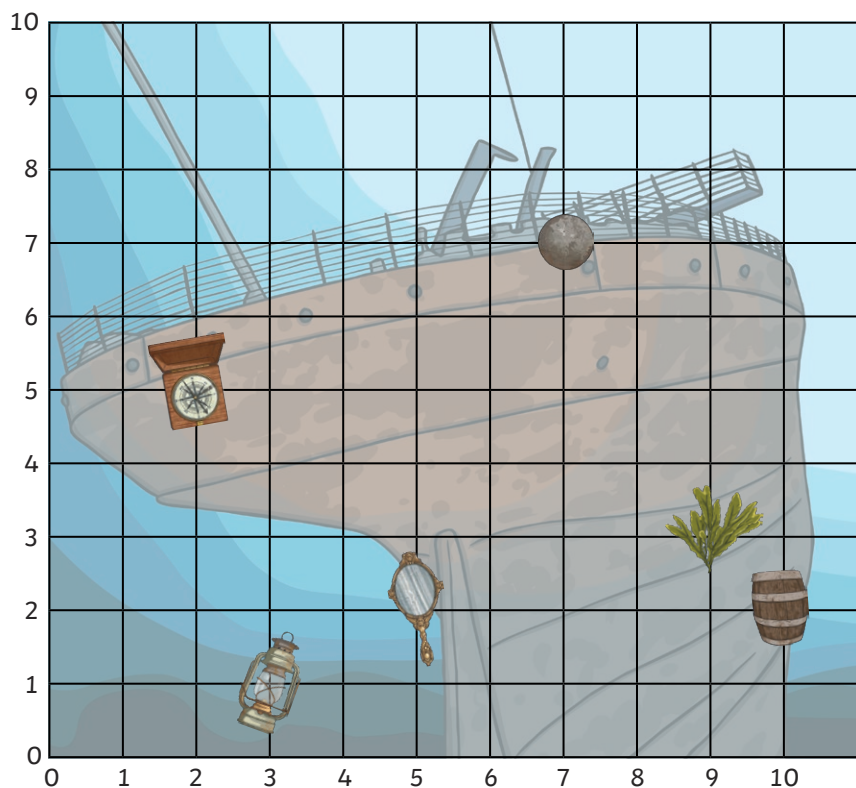
 zebra shark = (,)

 stingray = (,)

 octopus = (,)

 turtle = (,)

2) Sienna is studying a shipwreck. She needs to record what item she found at each location on the grid. Help her by drawing or writing the names of the shipwrecked items next to the correct coordinates.



= (3,1)

= (2,5)

= (10,2)

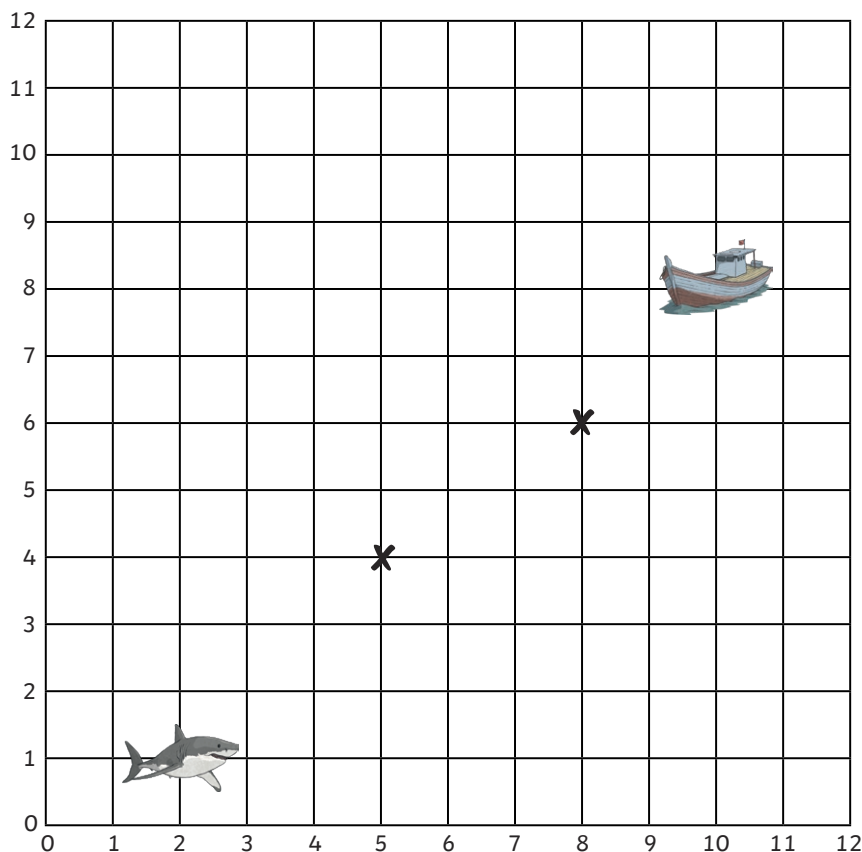
= (9,3)

= (7,7)

= (5,2)

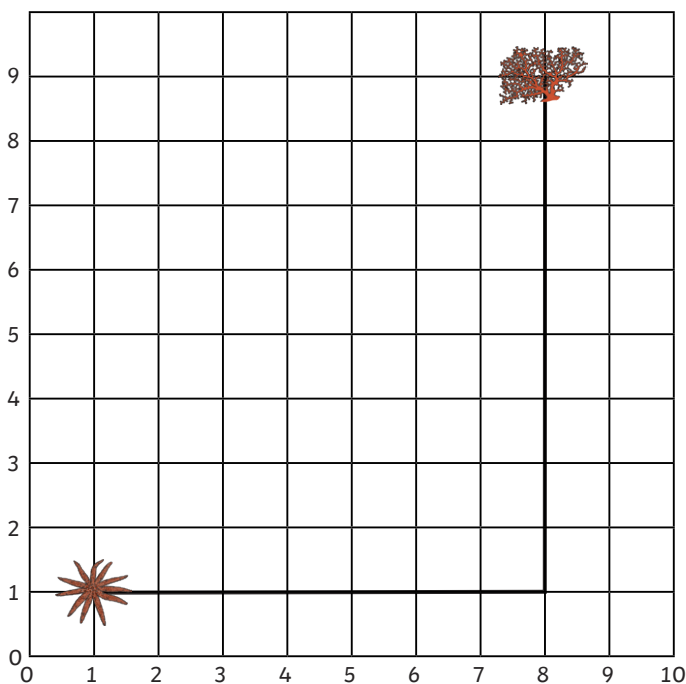


- 1) a) This shark is swimming in a straight line towards the boat. Two of the coordinates it will swim through are shown on the grid. Write the other coordinates the shark will swim through on its way to the boat.
- b) Move the shark to a new coordinate position. Can your partner give three coordinates the shark will swim through to reach the boat?



Coordinates the shark will swim through:

- 2) This starfish is moving along the sea bed towards the coral. Here is the path the starfish takes to reach the coral.



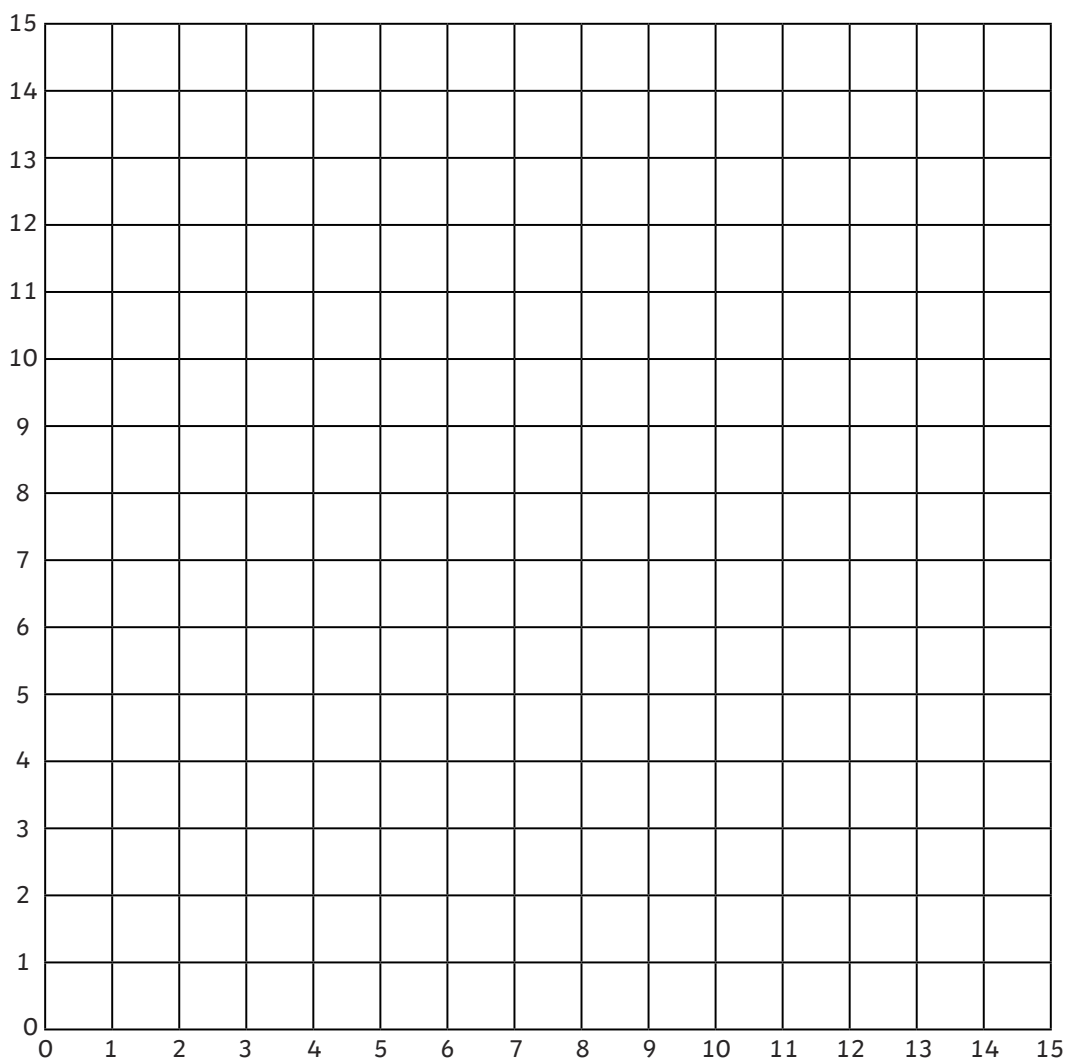
The starfish has to travel 8 squares right and 9 squares up to get to the coral at (8,9).

- a) Is Kenneth right? Explain your reasoning.

- b) Write two true statements and one false statement about the coordinates the starfish travels along. Can your partner identify the incorrect statement?



1) An explorer in the Antarctic is recording the positions of several different sea creatures on this coordinate grid. Using the clues, can you find the possible coordinate positions of the sea creatures on the grid? Is there more than one possible answer? Use the sea creature cut-outs to investigate.



penguin = (,)



seal = (,)



blue whale = (,)



shrimp = (,)



orca = (,)

Clues

a) The shrimp's position has the same number for both its x-axis and its y-axis coordinate.

b) The blue whale's position has an x-coordinate that is one quarter of its y-coordinate.

c) The penguin's position has a difference of 6 between the x-coordinates and y-coordinates.

d) The orca's position has coordinates that are both multiples of 5.

e) The seal's position has consecutive x-coordinates and y-coordinates.