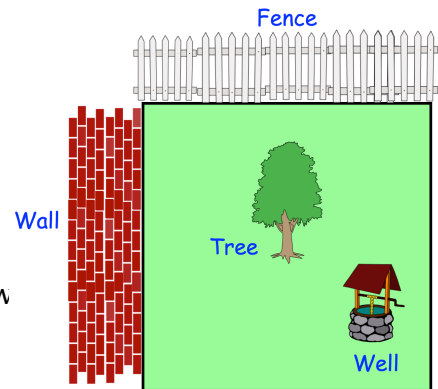


*There is a template for each question at the end of this exercise

Workout

Question 1:

The diagram shows Lindsey's garden.
Lindsey is deciding where to place a bench



Show the possible positions of the bench for each rule below

- (a) The bench is 1 metre away from the wall.
- (b) The bench is less than 2 metres away from the fence.
- (c) The bench is 2 metres away from the tree.
- (d) The bench is less than 2.5 metres away from the tree.
- (e) The bench is an equal distance (equidistant) from the tree and the well.
- (f) The bench is closer to the well than the tree.
- (g) The bench is an equal distance from the wall and the fence
- (h) The bench is closer to the wall than the fence.
- (i) The bench is less than 2 metres from the wall **and** less than 3 metres from the tree
- (j) The bench is closer to the fence than the wall **and** more than 1 metre from the well.

Question 2:

Shown is a map of an island.
Show the possible position of each item.

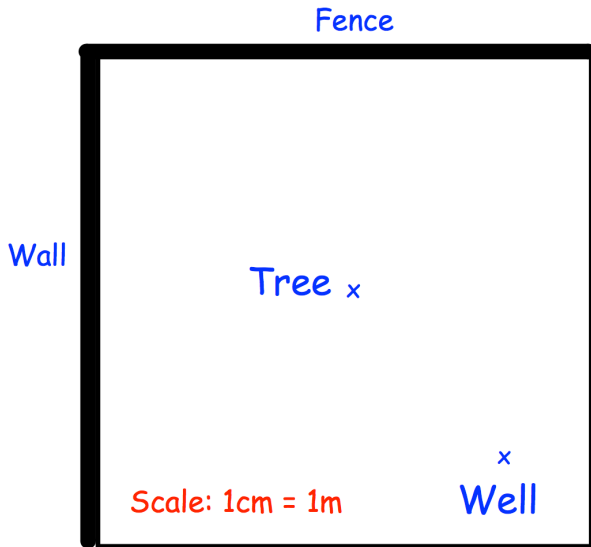


- (a) The stadium is equidistant from Redville and Newtown
- (b) A ship is less than 2 miles from the harbour
- (c) A helicopter is 6 miles from the harbour **and** 4 miles from the airport.
- (d) A church is closer to Redville than Newtown **and** is more than 3 miles from the airport
- (e) A lighthouse is equidistant from Newtown and the harbour **and** is on the coast.
- (f) A windmill is less than 4 miles from Redville **and** less than 4 miles from Newtown **and** less than 4 miles from the Airport.
- (g) A hot air balloon is between 5 miles and 7 miles from the harbour
- (h) A farm is equidistant from the airport and Redville **and** equidistant from the airport and the harbour.

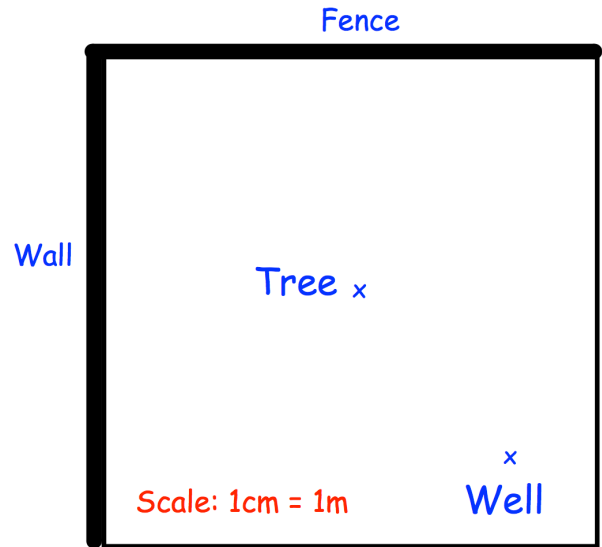
Templates

Question 1:

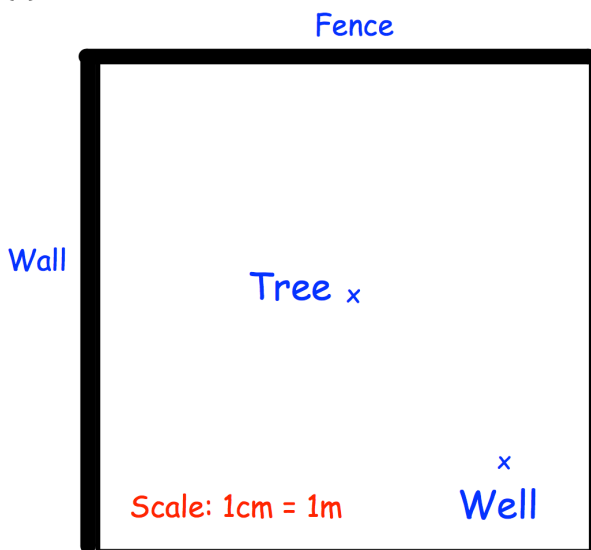
(a)



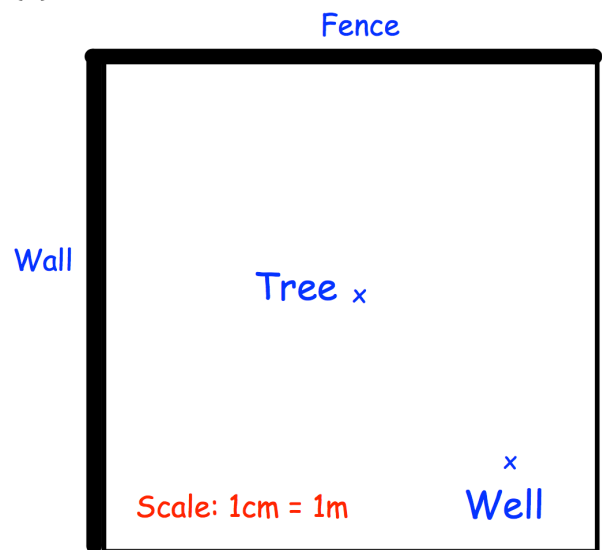
(b)



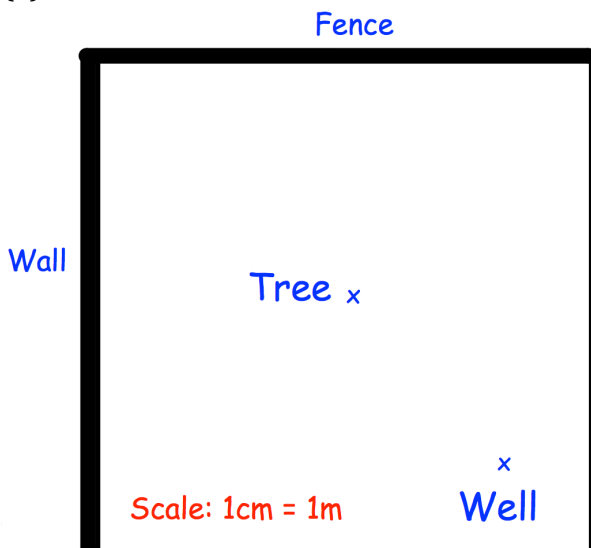
(c)



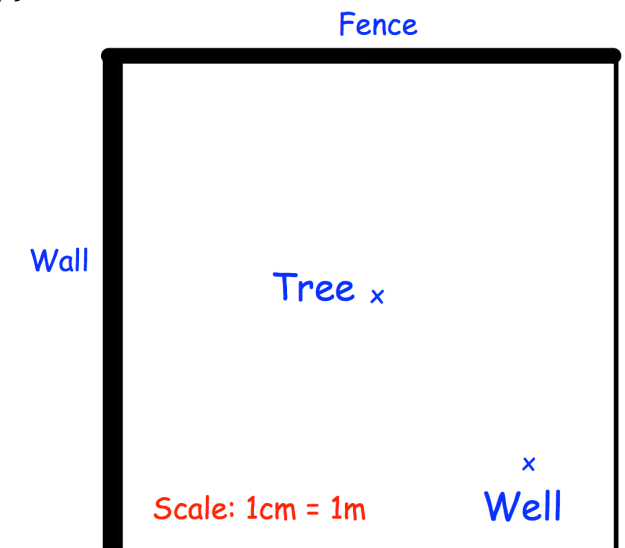
(d)



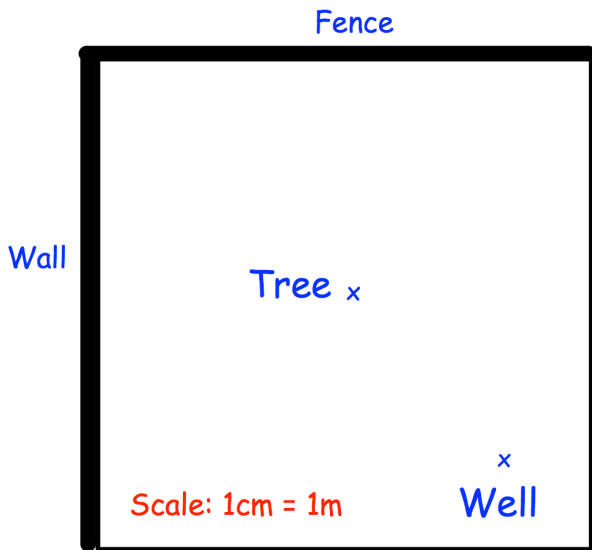
(e)



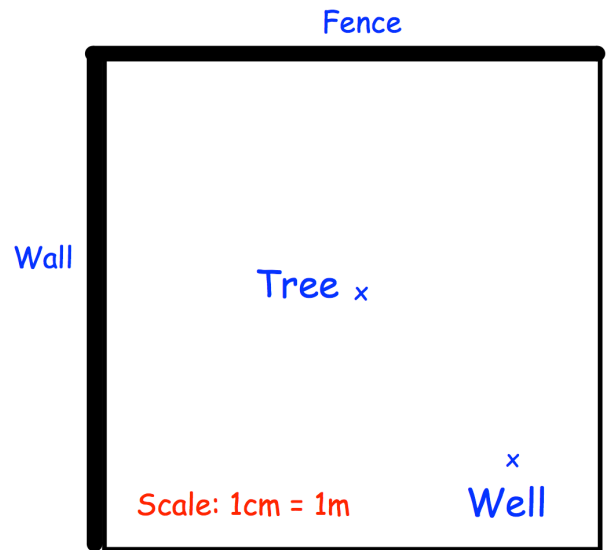
(f)



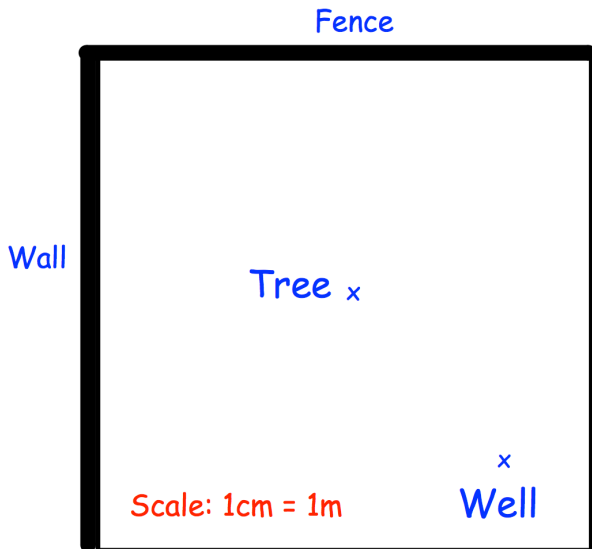
(g)



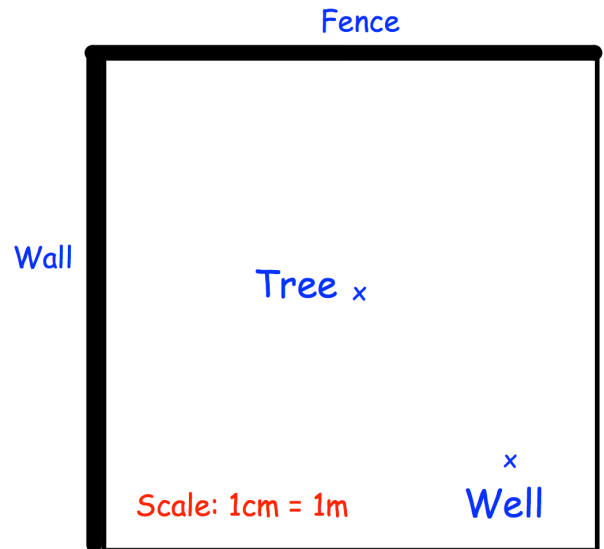
(h)



(i)

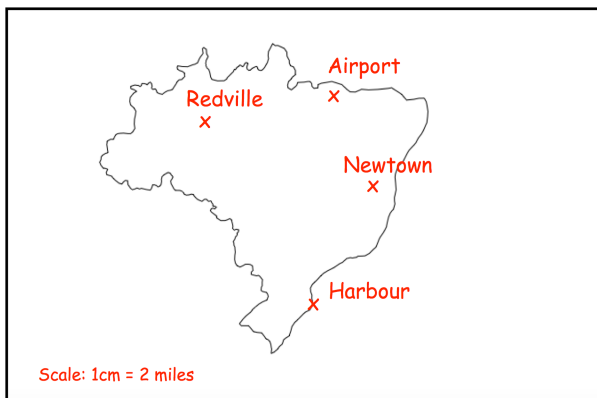


(j)

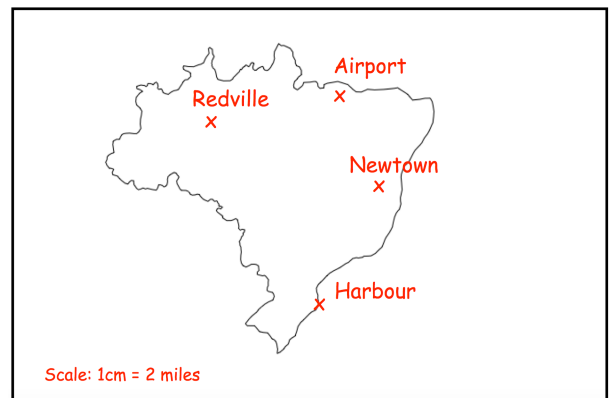


Question 2

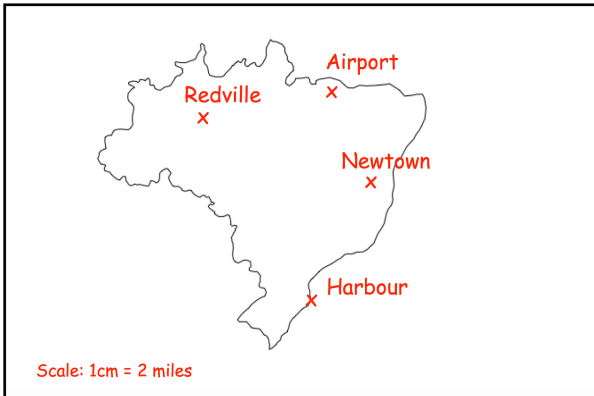
(a)



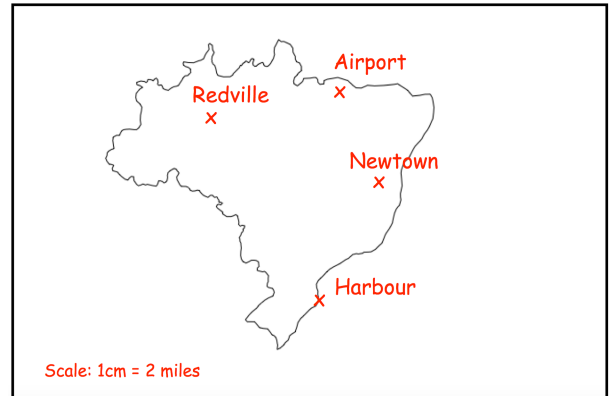
(b)



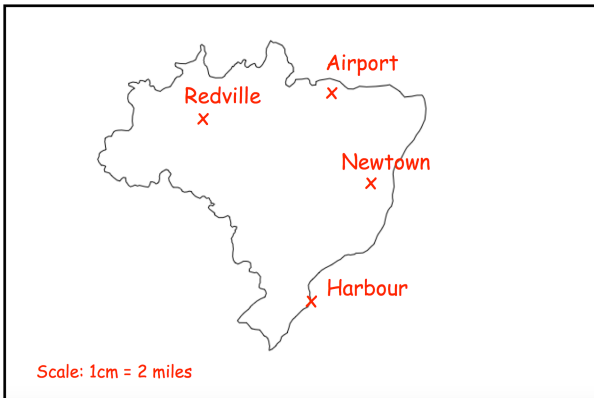
(c)



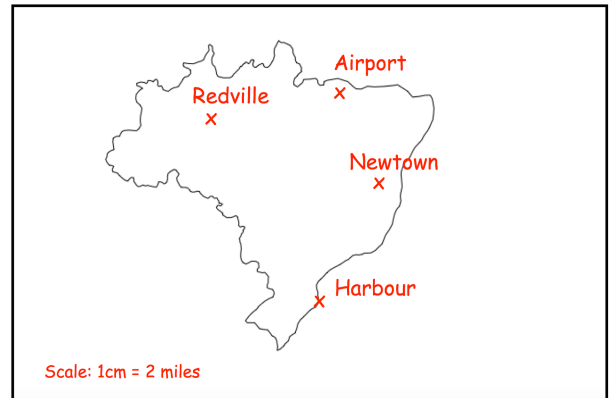
(d)



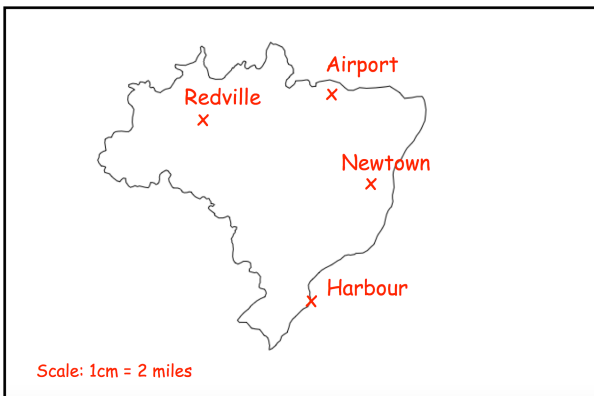
(e)



(f)



(g)



(h)

