

# Barn Owl Maths

## Using coordinates



**Create a plan of a farm using coordinates. This farm has three pairs of barn owls living on it. Can you work out where each pair lives (answer at bottom of the page)?**

To get started you will need:

- graph paper
- a pencil
- a ruler

Draw a horizontal and vertical axis on your graph paper and number them 1—20.

Plot these points on your graph paper and draw a symbol to represent each.

- Small barn - 3,17
- Hollow tree - 15,7
- Gate - 9,2
- Farmyard large barn - 10,11

What are the coordinates for these places? Use the points you have already plotted to work them out and draw a symbol to represent them.

- Pond - 2 West and 3 North of the gate      Coordinates = .....
- House - 1 East and 4 North of the large barn      Coordinates = .....
- Tractor - 2 East and 5 South of the small barn      Coordinates = .....

Some places on a map may cover a large area and will have multiple coordinates like the features below. Use the coordinates to find the four corners and draw a box to show the area each place covers. You can add symbols within this area too.

- Woodland - 2,2 / 2,5 / 4,2 / 4,5
- Sheep field - 16,14 / 17,20 / 18,15 / 19,20

Answer: The three pairs of Barn Owls live in the small barn, the farmyard large barn and the hollow tree.