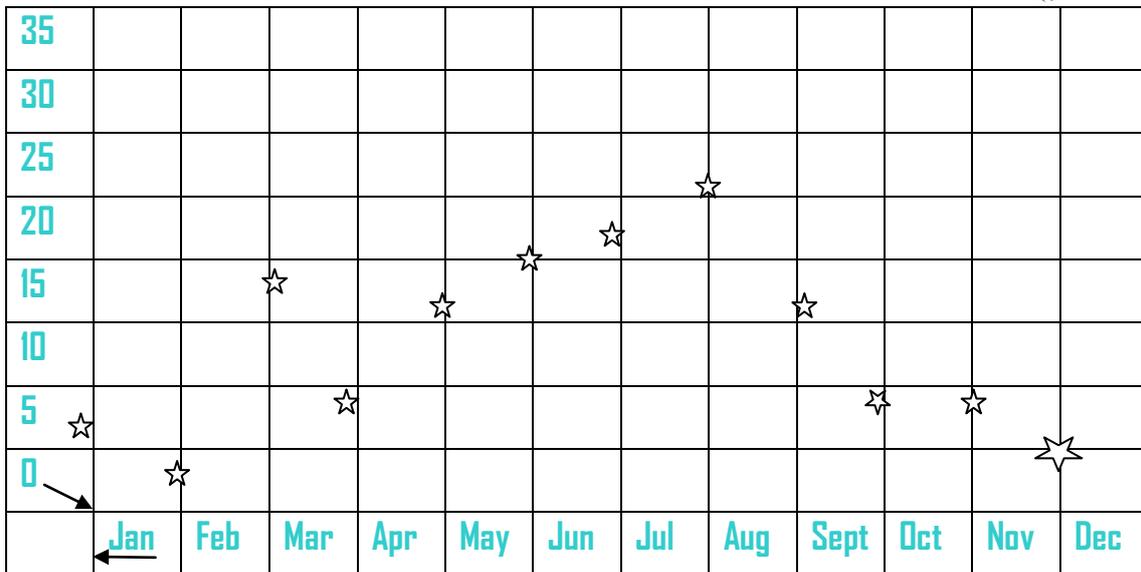


## Digit the Badger 3



Have a go at some of the puzzles that digit has set for you below.

Can you prove that you are as bright as a badger?



The gang from the Badger Group wanted to check the temperature at the sett over the course of a year, to see how it affected the behaviour of the badgers.

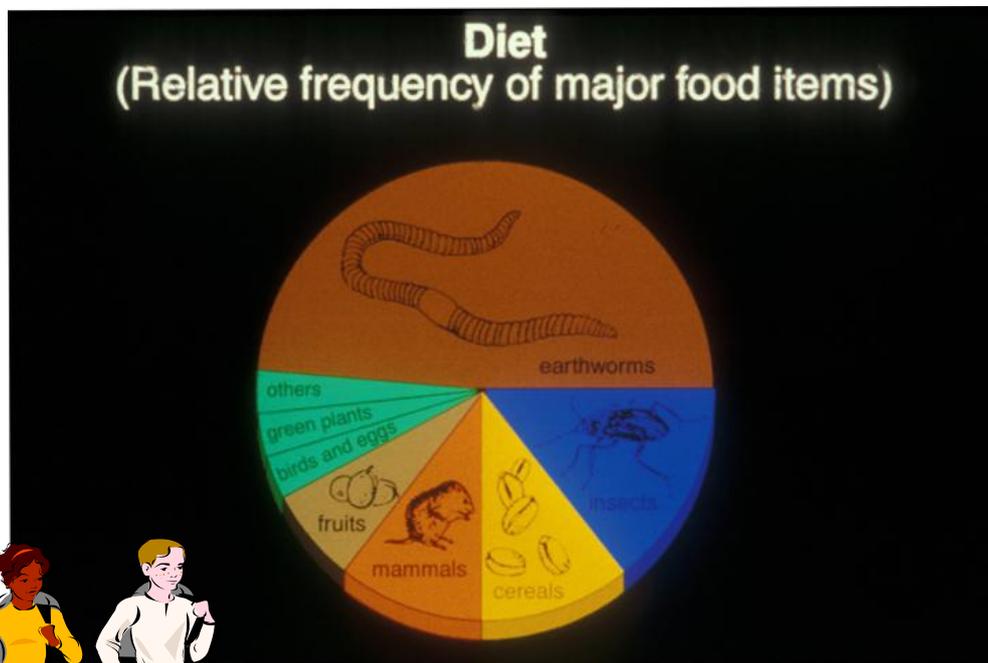
For how many months was the average temperature below 10 degrees? .....

What was the difference in temperature between June and August? .....

What was the range of temperatures over the year? .....

Looking at the trend of the graph, does any month surprise you? .....

Have a look at the pie chart below. (Why do you think it's called a *pie* chart?)  
 Can you answer the questions about what badgers eat?



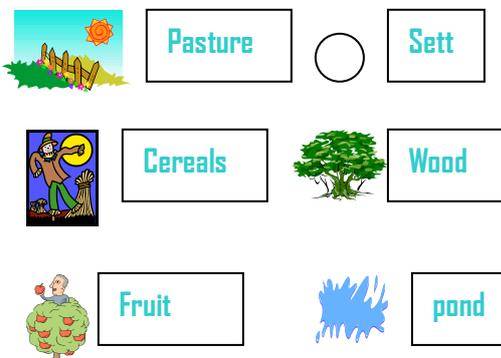
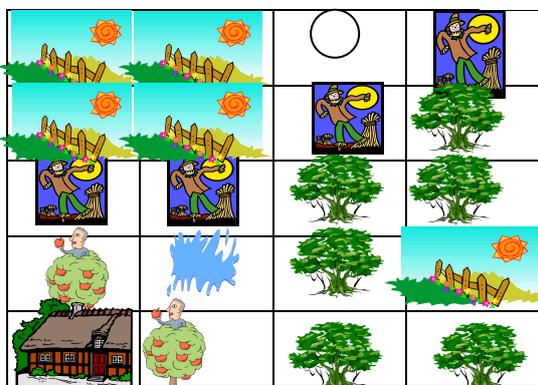
What do badgers eat most? .....

Can you say roughly what % of the food is worms?  
 .....

What fraction of the food is made up from insects and cereals? .....



Farmer Jones is planning what to do with his fields next year. You can see his farm plan below. It shows the farmhouse and the location of the badger sett.



Can you answer the puzzle questions below?

What fraction of the farm is set aside for pasture? .....

What fraction is cereals? ..... What fraction is fruit orchards? .....

What fraction of the farm does the pond cover? .....

The Badger Group thinks that the sett is in exactly the right place. Why do you think that is?

.....

.....

Look at the layout of the fields below:

Write the number of the field  
beside the name of each shape:

Diamond .....

Pentagon .....

Trapezium .....

Equilateral Triangle .....

Parallelogram .....

Rectangle .....

Scalene Triangle .....

Square .....

Isosceles Triangle .....

