

## Challenges

We know that the Saxons were in Great Shelford because Saxon pottery has been found in Buristead Road. Think about what might have made this place attractive to Saxon settlers 1,300 years ago. Consider the landscape and the resources that would have been available. Think about the name Shelford which may mean shallow ford. Draw an imaginary plan of what Saxon Shelford could have been like. Label it and/or use a key.

## Abundant Numbers

To find the **factors** of a number, you have to find **all** the pairs of numbers that multiply together to give that number.

The factors of 48 are:

1 and 48

2 and 24

3 and 16

4 and 12

6 and 8

If we leave out the number we started with, 48, and add all the other factors, we get 76:

$$1+2+3+4+6+8+12+16+24=76$$

So .... 48 is called an **abundant** number because it is less than the sum of its factors (without itself). (48 is less than 76.)

Record your results systematically! How many abundant numbers can you find?

From the Enrich website