



## Place Value Home Information Sheet



### First Level (a)

*I have investigated how whole numbers are constructed, can understand the importance of zero within the system and can use my knowledge to explain the link between a digit, its place and its value. MNU 1-02a*

*I can share ideas with others to develop ways of estimating the answer to a calculation or problem, work out the actual answer, then check my solution by comparing it with the estimate. MNU 1-01a*

Over the next few weeks we are going to be learning to use numbers within 20 to:

- Know that our number system is built around the digits 0-9 and be able to use the digits in different combinations to make numbers
- Read, write and order a range of whole numbers
- Locate and place whole numbers on a range of graduated scales and number lines
- Appreciate that the value of a digit depends on where it is placed
- Understand the importance of zero as a “place holder” and recognise when it is necessary to use it
- Use our knowledge of place value to identify “mystery numbers”, e.g. 2 more than 14 is, etc
- Know and understand vocabulary such as – ones, tens, more/greater than, less than, difference
- Understand the purpose and usefulness of estimation
- Be able to decide whether it is more appropriate to round up or down in a given situation
- Use related vocabulary in context e.g. guess, estimate, round up, round down, roughly, approximately

Here are some ideas of how you can help me at home!

**Story time** Ask children to find one of their favourite story books and make a list of every time a number is used. They talk with an adult or friend about what each number tells them.

**Recipes** Ask children to cut out a recipe from a magazine or copy one out of a book. They annotate the recipe, drawing arrows to show whether each number is used to say ‘how many’ (e.g. 3 eggs), ‘how much’ (e.g. 300g or 200ml) or for other reasons, such as indicating ‘how hot’ or ‘how long’.

**Make a puzzle** Ask children to write a sequence of about 8–10 numbers on a strip of paper. These could be numbers of any size. Children then cut the strip into pieces to make a jigsaw puzzle. Children could time how long it takes them to put the numbers back in order.

**Football league** Ask children to find a football league table from a local paper, the TV or a newspaper. They cut out or copy the table and then write headlines to say which teams are in which positions in the league.

**Phone number search** Using a local telephone directory, ask children to search for and identify a name and number given its page and position, such as, Find the fortieth number in the second column on the twenty-third page.

Here are some websites that you may find useful to use with me!

<http://nrich.maths.org/8389> - Incey Wincey Spider

<http://www.ictgames.com/dinoplacvalue.html> - Dino Place Value

