Place Value Home Information Sheet

First Level (b)

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 100 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
- 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. 10 more than 45 is ?, etc
- Know and understand vocabulary such as – ones, tens, hundreds, thousands, more/greater than, less than, difference
- Partition whole numbers into standard and non-standard parts, appreciating that multiple partitioning is possible, e.g. 43 = 40 + 3 or 30 + 13 or 20 + 23 etc.
- Understand the purpose and usefulness of estimation
- Be able to decide whether it is necessary 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!

Digit shuffle Ask children to write the last three digits of a phone number (their own or a friend's). The three digits must be different. They write all the different 2-digit numbers that they can make with the digits. For each number, they partition the digits and give their values, e.g. 24 = 2 tens and 4 units = 20 + 4.

The digit 3 Ask children to investigate how many numbers between 0 and 100 have the digit 3. They list all the numbers and say whether the digit 3 is a tens digit or a units digit (include the number 33 that has both). How many numbers do you think would have a different digit such as 7?

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

http://nrich.maths.org/1272 - Got it!

http://www.ictgames.com/sharknumbers.html - Shark Numbers