Place Value

Second Level (b)

I have worked with others to explore, and present our findings on, how mathematics impacts on the world and the important part it has played in advances and inventions.

MTH 2-12a

I have extended the range of whole numbers I can work with and having explored how decimal fractions are constructed, can explain the link between a digit, its place and its value.

NMU 2-02a

Over the next few weeks we are going to be learning to use numbers up to 100000 to:

- Know the meaning of the terms hundredths, tenths, units, tens, hundreds, thousands, millions, more/greater than, less than, difference of
- Understand that the value of a digit depends on where it is placed
- Partition whole numbers into standard and non-standard parts, appreciating that multiple partitioning is possible, e.g. 386293 = 300000 + 80000+ or 6000 + 200 + 90 + 3 or 380000 + 6293 etc.
- Explain the purpose of the decimal point and why money and measures use decimal notation
- Enter and interpret money on a calculator display, e.g. know and understand why 42.3 = £42.30
- Read, write, compare and order an extended range of whole numbers and decimal fractions
- Recognise, extend, recite and create number sequences involving decimal fractions
- Position whole numbers and decimal fractions on a number line
-

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

House prices newspapers, computer with internet access Ask children to find different house prices from adverts in the local paper or the internet. They list up to ten prices in their learning logs. They underline one digit of each house price and identify the value of the underlined digit using words or figures, e.g. £984 000 is eighty thousand pounds or £80 000; £175 000 is five thousand pounds or £5000.

Digit shuffle Ask children to write the last six digits of a phone number (their own or a friend's) into their learning logs. For each number they write it in words and partition the digits like this: 387 249 is three hundred and eighty- seven thousand, two hundred and forty-nine. 387 249 = 387 000 + 249.

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

http://www.softschools.com/math/place_value/teaching_place_value/ Find the value of the underlined digit.

http://www.toonuniversity.com/flash.asp?err=503&engine=15 Type the number in numerals and then fire the cannon!