



Place Value

Second Level (a)



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 10000 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. $48293 = 40000 + 8000 + 200 + 90 + 3$ or $48000 + 293$ 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 $4.3 = £4.30$
- 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 it using words or figures, e.g. £984 000 is eighty thousand pounds or £80 000; £175 000 is five thousand pounds or £5000.

Space hopping Ask children to research the distance from the Earth to the Moon and other planets, e.g. it is about 384 403 km to the Moon. Children record their information in digits and in words (three hundred and eighty-four thousand, four hundred and three kilometres) and write the distances in order.

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.bbc.co.uk/schools/teachers/ks2_activities/maths/number_system.shtml
The Number System - a variety of place value challenges.

