



Place Value

Second Level (c)



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 1000000 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. $986293 = 900000 + 80000 + 6000 + 200 + 90 + 3$ or $980000 + 6293$ 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 $432.3 = £432.30$
- 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!

Football Transfers newspapers, computer with internet access. Ask children to find out information about football players' transfer fees in the paper or on the internet. They list up to ten prices in their learning logs. They underline one digit of each transfer fee and identify the value of the underlined digit using words or figures, e.g. £764 000 is seven hundred thousand pounds or £700 000.

Globe Trotters atlases, computer with internet access. Investigate the distances between home and five cities they would really like to visit. Put the distances in order, starting with the highest. Think about which destinations would cost most to visit and why? Discuss in class next day with their peers.

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!

