



Maths Knowledge Organiser for Year 3 & 4

Term: Autumn 1

Key vocabulary:

- place value
- more than
- less than
- numerals
- digits
- columns
- compare
- greater than
- less than
- larger
- smaller
- represent
- thousands, hundreds, tens, ones
- estimate

Curriculum Objectives

Year 3

Number – Place Value

Count from 0 in multiples of 4, 8, 50 and 100
 Find 10 or 100 more or less than a given number
 Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)
 Compare and order numbers up to 1000
 Identify, represent and estimate numbers using different representations
 Read and write numbers up to 1000 in numerals and in words
 Solve number problems and practical problems involving these ideas

Year 4

Number – Place Value

Count in multiples of 6, 7, 9, 25 and 1000.
 Find 1000 more or less than a given number.
 Count backwards through zero to include negative numbers.
 Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).
 Order and compare numbers beyond 1000.
 Identify, represent and estimate numbers using different representations.
 Round any number to the nearest 10, 100 or 1000.
 Solve number and practical problems that involve all of the above and with increasingly large positive numbers
 Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.

Examples

Ten Thousands (T Th)	Thousands (Th)	Hundreds (H)	Tens (T)	Ones (O)
.	●●●	●●●	●●	●●●●
1	3	5	4	8

Place value of 1 = 10 000
 Place value of 3 = 3 000
 Place value of 5 = 500
 Place value of 4 = 40
 Place value of 8 = 8

→ 13548

Rounding Poem

Find your **place**
 Look **next door**
 5 or greater, **add one** more
 All digits in front stay the same
 All digits behind, zero's your name

Example:

Round to nearest ten

6 3 → 60

6 5 → 70

5 24 → 520

5 28 → 530

Round to nearest hundred

4 35 → 400

4 62 → 500

7 328 → 7300

7 356 → 7400

For more information, please see the Calculation Policy on the website.