**Content domain – number and place value;** approximation and estimation / rounding (KS2)

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| **Strand** | **National Curriculum reference Year 1** | **National Curriculum reference Year 2** | **National Curriculum reference Year 3** | **National Curriculum reference Year 4** | **National Curriculum reference Year 5** | **National Curriculum reference Year 6** |
| **N1**Counting (in multiples) | **1N1a** Count to and across 100, forward and backwards, beginning with 0 or 1, or from any given number | **2N1** Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward |   | 4N1 Count in multiples of 6, 7, 9, 25 and 1000  | **5N1** Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 |  |
| **1N1b** Count in multiples of twos, fives and tens |  | 3N1b Count from 0 in multiples of 4, 8, 50 and 100 |   |  |  |
| **N2**Read, write, order and compare numbers | **1N2a** Count, read and write numbers to 100 in numerals | **2N2a** Read and write numbers to at least 100 in numerals and in words | 3N2a Compare and order numbers up to 1000 Read and write numbers to 1000 in numerals and in words  | 4N2a Order and compare numbers beyond 1000 | **5N2**Read, write, order and compare numbers to at least 1 000 000 | **6N2** Read, write, order and compare numbers up to 10 000 000 |
| **1N2b** Given a number, identify one more and one less | **2N2b** Compare and order numbers from 0 up to 100; use <, > and = signs | 3N2b Find 10 or 100 more or less than a given number  | 4N2b Find 1000 more or less than a given number  |  |  |
| **1N2c** Read and write numbers from 1 to 20 in numerals and words |  |  |  |  |  |
| **N3**Place value; Roman numerals |  | **2N3** Recognise the place value of each digit in a two-digit number (tens, ones) | 3N3 Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)  | 4N3a Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones)  | **5N3a** Determine the value of each digit in numbers up to 1 000 000 | **6N3** Determine the value of each digit in numbersup to 10 000 000 |
|  |  |  | 4N3b 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  | **5N3b** Read Roman numerals to1000 (M) and recognise years written in Roman numerals |  |
| **N4**Identify, represent and estimate; rounding | **1N4** Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least | **2N4** Identify, represent and estimate numbers using different representations, including the number line | 3N4 Identify, represent and estimate numbers using different representations  | **4N4a** Identify, represent and estimate numbers using different representations | **5N4** Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 | **6N4** Round any whole number to a required degree of accuracy |
|  |  |  | **4N4b** Round any number to the nearest 10, 100 or 1000 |  |  |
| **N5**Negative numbers [KS2] |  |  |  | **4N5** Count backwards through zero to include negative numbers | **5N5** Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero  | **6N5** Use negative numbers in context, and calculateintervals across zero |
| **N6**Number problems |  | **2N6** Use place value and number facts to solve problems | 3N6 Solve number problems and practical problems involving 3N1–3N5  | **4N6** Solve number and practical problems that involve **4N1–4N5** and with increasingly large positive numbers | **5N6**Solve number problems and practical problems that involve **5N1–5N5** | **6N6** Solve number problems and practical problems that involve **6N2–6N5** |