

Maths Number and Place Value

Connected knowledge Y4:

1. Know Roman numerals to 100:

- know the value of each roman numeral symbol
- how to combine letters to read roman numerals
- how to combine letters write Roman numerals

New knowledge Y5:

1. Roman numerals to 1,000:

- how to identify the letters for 500 and 1,000
- how to combine letters to read and write Roman numerals

2. Roman numeral dates

- how to combine letters to read and write dates

Connected knowledge Y4:

1. Find, show, read, write and estimate numbers up to 10,000:

- how to find and show numbers to 10,000 using objects
- how to find and show numbers to 10,000 using pictures
- how to find and show numbers to 10,000 on a number line
- how to estimate on a number line
- the place value of each digit
- how to compose and decompose numbers to 10,000 using standard partitioning
- how to compose and decompose numbers to 10,000 using non-standard partitioning
- how numbers are written in words

2. Count in multiples of 1,000 and find 1,000 more or less:

- multiples of 1,000 from 0
- multiples of 1,000 from any number
- 1,000 more or less

3. Compare and order numbers to 10,000:

- how to compare numbers to 10,000 on a number line
- how to compare numbers to 10,000 using \lt \gt signs
- how to order numbers to 10,000

5. Round numbers to 10, 100 and 1,000:

- how to identify the previous or next multiple of 10 using a number line to round to the nearest 10

- how to identify the previous or next multiple of 100 using a number line to round to the nearest 100
- how to identify the previous or next multiple of 1,000 using a number line to round to the nearest 1,000
- how to round numbers to 10, 100 and 1,000 without a number line

New knowledge Y5:

1. Read, write, order and compare numbers

up to at least 1,000,000:

- the place value of each digit
- how numbers are said and written in words
- how to compose and decompose numbers using standard way and non-standard partitioning
- how to compare and order numbers

2. There are patterns between powers of 10:

- a value increases or decreases by a power of 10 between adjacent columns on a place value chart (between 10 and 100,000)
- where to place multiples of 10,000 and 100,000 on a number line
- approximate placing of any number on a number line

3. Any whole number can be rounded to a required degree of accuracy:

- how to identify the previous or next multiple of 10,000 to round to the nearest 10,000
- how to identify the previous or next multiple of 100,000 to round to the nearest 100,000

4. The position of a negative or positive number determines its value:

- the greater the negative number, the further below zero it is
- how to calculate increase and decrease on a number line
- how to interpret the difference using a number line