

## Year 5 Objectives

### Number and Place Value

Read and write numbers to at least 1,000,000 in words and numerals and know the value of each digit  
Count forwards and backwards in multiples of ten from any given number  
Count forwards and backwards through zero with positive and negative numbers  
Compare and order numbers to at least 1,000,000  
Round any number to the nearest 10, 100, 1000, 10 000, 100 000  
Read Roman numerals up to 1000 (M) and recognise years written in Roman numerals

### Number – mental addition and subtraction

Mentally add and subtract increasingly larger numbers

### Number – mental multiplication and division

Know and recall rapidly all times tables (multiplication and division facts- consolidation Y4)  
Recall prime numbers up to 19  
Understand, recognise and use square and cubed numbers including the notation (e.g. 5<sup>2</sup>, 2<sup>3</sup>)

### Number – fractions, decimals and percentages

Recognise mixed and improper fractions and convert between them (e.g.  $1\frac{3}{4} = \frac{7}{4}$ )  
Round decimals with two decimal places to the nearest whole number and to one decimal place  
Read, write, compare and order numbers with up to three decimal places  
Know and recall rapidly decimal and percentage equivalents of  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{5}$ ,  $\frac{2}{5}$ ,  $\frac{4}{5}$ ,  $\frac{3}{4}$   
Measurement  
Know and use conversions: 1000g=1kg; 1000ml=1l; 1000m=1km 100cm=1m (consolidation Y4)

### Useful maths websites

These sites have an excellent range of activities and games for most topics.

**Top Marks Age 7-11** <https://www.topmarks.co.uk/maths-games/7-11-years/ordering-and-sequencing-numbers>

**Cool Maths 4 Kids** – also includes lessons/explanations/brain teasers

<http://www.coolmath4kids.com/>

**Maths is fun** Range of explanations and online activities

<https://www.mathsisfun.com/numbers/index.html>

**SUMS Maths Games sorted into: Number, Data Handling, Calculations, Shape and Space.**

<http://www.sums.co.uk/original/>

**Arcademics Skill Builders** – games to play against the computer or a friend

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