

Maths

Year 5

Number: Place Value

- Read and write numbers to 1,000,000 and determine the value of each digit.
- Compare and order number to 1,000,000.
- Count forwards and backwards in steps of powers of 10 for any given number to 1,000,000.
- Interpret negative numbers in context, count forwards and backwards with negative and positive whole numbers, including through zero.
- Round any number up to 1 million to the nearest 10, 100, 1000, 10,000 and 100,000.
- Read Roman numbers to 1000 and recognise years written in Roman numerals.

Number: Addition and Subtraction

- Add and subtract whole numbers with more than 4-digits, including using formal written methods.
- Add and subtract numbers mentally.
- Solve addition and subtraction multi-step problems.
- Use rounding to check answers to calculations.

Number: Multiplication and Division

- Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers). Know and use the vocabulary of prime.

Year 6

Place value

- Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit
- Round any number to a required degree of accuracy

Addition, Subtraction, Multiplication and Division

- Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication
- Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division
- Divide numbers up to 4 digits by a two-digit number using the formal written method of short division.
- Identify common factors, common multiples and prime numbers
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
- Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy

Fractions, Decimals and Percentages

- Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts
- Add and subtract fractions with different denominators
- Multiply simple pairs of proper fractions, writing the answer in its simplest form
- Divide proper fractions by whole numbers