

Number – Arithmetic & Negatives Curriculum Map

I can...

Grade 1 & 2

- use BIDMAS to calculate problems.
- add and subtract decimals including money calculations
- multiply decimals by an integer.
- identify the four operations in real life functional maths.
- Multiply 2 to 3 digit numbers
- divide using long division (or bus stop)

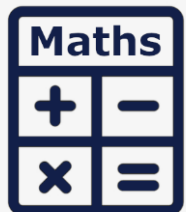
Grade 3

- use BIDMAS to calculate problems.
- add and subtract decimals including money calculations
- multiply decimals by an integer.
- identify the four operations in real life functional maths.

Grade 4

- identify multi-step problems and show clearly my workings.
- use BIDMAS in multi-step problems.
- multiply and divide decimals in a real life context.

Autumn 1



Number – Place Value & Rounding Curriculum Map

I can...

Grade 1 & 2

- In the context of money, read and decimal numbers in words and figures.
- Covert written integers into figures.
- Know what each digit represents in numbers with up to two decimal places.
- use a calculator to solve sums involving decimals.
- Compare the value of any set of integers and order them from greatest to smallest.
- what each digit represents in numbers with up to two decimal places.
- compare the size of integers with up to four digits.

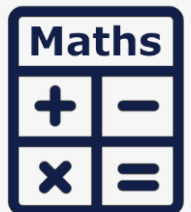
Grade 3

- round whole numbers given to any powers of 10.
- solve problems involving multiplying and dividing by 10, 100 and 1000.
- solve problems in a practical context by comparing and ordering decimals.
- round decimals with two or more decimal places to the nearest integer or one decimal place.
- use rounding to estimate an answer.

Grade 4

- make and justify estimates and approximations of calculations.
- find an estimate for complex calculations by rounding each value in the sum to 1 significant figure.
- round to any decimal place or significant figure.
- multiply and divide with 0.1 or 0.01.
- use inequality signs to compare decimals by size
- order decimals to 4 or 5 decimals places.

Autumn 1



Number – Powers & Roots Curriculum Map

I can...

Grade 1 & 2

- understand the number line below zero, and relate this to temperature.
- use negative numbers in real life problems.
- use the times-table to find factors and multiples of numbers.
- understand what a prime number is.
- list the square and the cube numbers.
- understand divisibility facts for numbers divisible by 2, 3, 5, 10.
- order negative numbers in order or smallest to greatest.

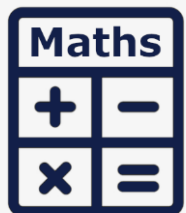
Grade 3

- add, subtract multiply and divide negative integers.
- find the highest common factor and the lowest common multiple of two numbers.
- recall the prime numbers up to 23
- find squares, cubes and roots of integers.
- use indices laws with multiplication and division.

Grade 4

- calculate indices with negative powers.
- use all indices laws in context to simplify my solutions.
- represent numbers as a product of prime factors.
- find the HCF and LCM using product of prime factors.

Autumn 1



Number – Fractions, Decimals & Percentages Curriculum Map

I can...

Grade 1 & 2

- calculate equivalent fractions
- find the denominator of a fraction given the numerator and an equivalent
- add fractions together to make a whole number
- add or subtract fractions with the same denominator

I understand that a fifth is twice the size of a tenth and can write fifths as decimals or percentages

I understand that tenths are parts out of 10 and can match them to their decimal

Grade 3

- convert an improper fraction to a mixed fraction and vice versa.
- convert fractions to decimals and percentages where the denominator of the fraction is a factor of 100

I understand that a simplified fraction can be used to solve problems

- simplify fractions in different units
- find a fraction of an amount where the answer is not a whole number
- use percentages to increase and decrease amounts
- use percentages to compare proportions
- express quantity as a percentage of another
- convert fractions to decimals & Percentages

Grade 4

- find a fraction of a fraction.
- add and subtract fractions with different denominators.
- multiply and divide fractions.
- write quantities as a fraction of the total in context.
- multiply and divide fractions of a whole number.
- use the unitary method to solve percentage problems
- use equivalence of fractions, decimals and percentages to find a percentage of an amount mentally
- calculate a percentage Increase / decrease
- use equivalence of fractions, decimals and percentages to compare proportions

Autumn 1

