**Maths in Year 6**

**Calculation methods**

In Year 6, we look at building on prior knowledge from year 4 and 5 and continue building conceptual number sense up to ten million. Here is an overview of the key arithmetic skills taught in year 4 and how the knowledge is acquired.

**Addition:**

• To use the formal column addition method to add numbers using the thousand column with regrouping.

 • To use the formal addition method to add decimals.

Once children have mastered partitioning (in previous years), they will move onto the formal written method. This will then include decimal numbers.



**Subtraction**

Children will use the formal written method for subtraction.

* To use the formal column subtraction method to subtract numbers using the millions column with regrouping.

• To use the formal subtraction method to subtract decimals



Once they have mastered this, this will include decimal numbers too.



**Multiplication**

In year 6 we will be using the formal written method to complete short multiplications and long multiplications.

* To multiply a four digit and one digit number together using the short multiplication method.

• To multiply a four digit and two digit number together using the long multiplication method

 

**Division**

In year 6, we use short division and long division methods to solve calculations.

• To divide a four digit number by a one digit number using short division.

 • To divide a four digit number by a two digit number using short or long divsion.

• To divide numbers and interpret the remainders depending on the context (converting to decimals or fractions)

