

# St Nicholas' CE Primary School

## 2023-2024 Medium Term Planning – Maths

### Term 3: Year 5

Number facts: Prime Numbers up to 100 and understand composite numbers.

Date w/c	Strand	Mental Maths (Number Facts)	Learning Objectives
1 8/1/23	Negative Numbers	Prime and composite numbers up to 20	<p>To use knowledge of properties of number to solve problems in a range of contexts</p> <p>To explain how to use the factor pairs of '100' to solve calculations efficiently</p> <p>To interpret numbers greater than and less than zero in different contexts and to read and write negative numbers.</p> <p>To explain how the value of a number relates to its position from zero</p> <p>To identify and place negative numbers on a number line</p>
2 15/1/24	Negative Numbers	Prime and composite numbers up to 40	<p>To interpret sets of negative and positive numbers in a range of contexts</p> <p>To use knowledge of positive and negative numbers to calculate intervals across zero.</p> <p>To explain how negative numbers are used on a coordinate grid and to use knowledge of positive and negative numbers to interpret graphs</p>
3 22/1/24	Multiplication and Division	Prime and composite numbers up to 50	<p>To multiply a two-digit number by a single-digit number using expanded multiplication (no regroupings) leading to short multiplication</p> <p>To multiply a two-digit number by a single-digit number using expanded multiplication (regrouping ones to tens) leading to short multiplication</p> <p>To multiply a two-digit number by a single-digit number using expanded multiplication (regrouping tens to hundreds) leading to short multiplication</p> <p>To multiply a two-digit number by a single-digit number using both expanded and short multiplication (two regroupings)</p> <p>To use estimation to support accurate calculation</p>

4 29/1/24	Multiplication and Division	Prime and composite numbers up to 60	<p>To multiply a three-digit number by a single-digit number using partitioning</p> <p>To multiply a three-digit number by a single-digit number using expanded and short multiplication</p> <p>To multiply a three-digit number by a single-digit number using expanded and short multiplication (with regroupings)</p> <p>To use estimation to support accurate calculation</p>
5 5/2/24 (3 days)	Multiplication and Division	Prime and composite numbers up to 100	<p>To divide a two-digit number by a single-digit number using partitioning and representations (no remainders, no exchanging)</p> <p>To divide a two-digit number by a single-digit number using partitioning and representations (with exchanging)</p> <p>To divide a two-digit number by a single-digit number using partitioning and representations (with exchanging and remainders)</p>