

## St Nicholas' CE (VA) Primary School

### 2023-2024 Medium Term Planning – Maths

#### Year 5 – Term 2

Number Facts: Multiplication Facts/ Prime Numbers up to 100 and understand composite numbers.

Date w/c	Strand	Mental Maths (number facts)	Learning Objectives
<b>1</b> <b>30.10.23</b>	Decimal Fractions	Multiplication Facts Prime and composite numbers up to 20	<ul style="list-style-type: none"><li>• To round a decimal number with hundredths to the nearest tenth</li><li>• To round a decimal number with hundredths to the nearest whole number</li><li>• To read and write numbers with up to 3 decimal places</li><li>• To compare and order numbers with up to 3 decimal places</li><li>• To explain and represent whole pounds as a quantity of money.</li></ul>
<b>2</b> <b>6.11.23</b>	Decimal Fractions Money	Prime and composite numbers up to 40	<ul style="list-style-type: none"><li>• To explain and represent whole pounds and pence as a quantity of money</li><li>• To explain how to compare amounts of money</li><li>• To convert quantities of money between pounds and pence</li><li>• To use knowledge of addition to efficiently add commonly used prices</li><li>• To use knowledge of subtraction to calculate the change due when paying whole pounds or notes</li></ul>
<b>3</b> <b>13.11.23</b>	Money  Factors, multiples and primes	Prime and composite numbers up to 50	<ul style="list-style-type: none"><li>• To use and explain the most efficient strategies when adding quantities of money</li><li>• To use and explain the most efficient strategies when subtracting quantities of money</li><li>• To find the change when purchasing several items</li><li>• To explain what 'volume' is using a range of contexts</li><li>• To describe the units used to measure volume</li></ul>
<b>4</b> <b>20.11.23</b>	Factors, multiples and primes	Prime and composite numbers up to 60	<ul style="list-style-type: none"><li>• To explain how to calculate the volume of a cuboid and to explain what a cube number is</li><li>• To use their knowledge of calculating volume to solve problems in a range of contexts</li><li>• To explain how to calculate the volume of compound shapes</li></ul>

			<ul style="list-style-type: none"> <li>• To explain the use of the commutative and distributive laws when multiplying three or more numbers</li> <li>• To explain the reasons for changing two-factor multiplication calculations to three-factor multiplications</li> </ul>
<b>5</b> <b>27.11.23</b>	Assessments		Arithmetic Paper Reasoning Paper 1 Reasoning Paper 2
<b>6</b> <b>4.12.23</b>	Factors, multiples and primes	Prime and composite numbers up to 80	<ul style="list-style-type: none"> <li>• To explain what a factor is and how to use arrays and multiplication/division facts to find them</li> <li>• To explain how to systematically find all factors of a number and how they know when they have found them all</li> <li>• To use a complete list of factors to explain when a number is a square number</li> <li>• To explain how to identify a prime number or a composite number</li> <li>• To explain how to identify a common factor or a prime factor of a number</li> </ul>
<b>7</b> <b>11.12.23</b>	Factors, multiples and primes  Negative Numbers	Prime and composite numbers up to 100	<ul style="list-style-type: none"> <li>• To explain how to identify a multiple or common multiple of a number</li> <li>• To use knowledge of properties of number to solve problems in a range of contexts</li> <li>• To explain how to use the factor pairs of '100' to solve calculations efficiently</li> <li>• To interpret numbers greater than and less than zero in different contexts and to read and write negative numbers.</li> <li>• To explain how the value of a number relates to its position from zero and to identify</li> </ul>
<b>8</b> <b>18.12.23</b> <b>(3 days)</b>	Christmas Activities		