



KNOWLEDGE ORGANISER

SUBJECT	UNIT OF WORK TITLE	YEAR 5																												
Cross curricular links	Key skills	Key Vocabulary/definitions																												
<p>Science – measurements during experiments.</p> <p>Design Technology- Representing fractions and percentages using food.</p> <p>PE – estimating and comparing length.</p>	<p>During this half term, we will be solving problems involving numbers up to three decimal places, fractions and percentages.</p> <p>We will be converting between different units of metric measure such as metre/centimetre, centimetre/millimetre and kilogram/gram.</p> <p>We will use equivalences between metric units and common imperial units (e.g. inches and pounds).</p> <p>We will be using all four operations (x ÷ - +) to solve problems.</p>	<p>Numerator – the top number on a fraction</p> <p>Denominator – the bottom number on a fraction</p> <p>Percentage % – out of 100</p> <p>Tenths – 0.<u>1</u></p> <p>Hundredths – 0.0<u>1</u></p> <p>Thousandths – 0.00<u>1</u></p>																												
Pictures/photos relevant to topic																														
<p>PLACE VALUE GRID</p> <table border="1" style="margin: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="font-size: small;">THOUSANDS</th> <th style="font-size: small;">HUNDREDS</th> <th style="font-size: small;">TENS</th> <th style="font-size: small;">ONES</th> <th style="font-size: small;">TENTHS</th> <th style="font-size: small;">HUNDREDTHS</th> <th style="font-size: small;">THOUSANDTHS</th> </tr> </thead> <tbody> <tr> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px; text-align: center;">●</td> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px;"></td> </tr> <tr> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px; text-align: center;">●</td> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px;"></td> </tr> <tr> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px; text-align: center;">●</td> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px;"></td> </tr> </tbody> </table>			THOUSANDS	HUNDREDS	TENS	ONES	TENTHS	HUNDREDTHS	THOUSANDTHS					●							●							●		
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<p>Links</p> <p>https://login.mathletics.com/</p> <p>https://www.timestables.co.uk/</p> <p>https://www.mathsisfun.com/convert-fractions-decimals.html</p> <p>https://www.topmarks.co.uk/maths-games/hit-the-button</p> <p>https://www.bbc.co.uk/bitesize/topics/znjqtfr/articles/z8ws3k7</p>																														

MULTIPLYING		DIVIDING	
X 10	DIGITS MOVE <u>LEFT 1</u> SPACE	÷ 10	DIGITS MOVE <u>RIGHT 1</u> SPACE
X 100	DIGITS MOVE <u>LEFT 2</u> SPACES	÷ 100	DIGITS MOVE <u>RIGHT 2</u> SPACES
X 1000	DIGITS MOVE <u>LEFT 3</u> SPACES	÷ 1000	DIGITS MOVE <u>RIGHT 3</u> SPACES