ASSESSING MATHS: YEAR 3

<table>
<tr><th colspan="4">NUMBER</th></tr>
<tr><th>Place Value</th><th>Addition / Subtraction</th><th>Multiplication / Division</th><th>Fractions / Decimals</th></tr>
<tr>
<td>- Count in 4s, 8s, 50s and 100s from 0.
- Find 10 or 100 more or less than any number.
- Recognise place value of each digit in 3-digit numbers.
- Compare and order numbers up to 1000.
- Identify, estimate and represent numbers using different representations.
- Read & write numbers in numerals and words up to 1000.
-Solve number problems and practical problems including these ideas
- Recognise and read Roman numerals to 12 (I to XII) [for time]</td>
<td>- Add and subtract numbers mentally including:
HTU+U, HTU+T, HTU+H
- Add/Subtract numbers with up to 3 digits using formal written methods of columnar addition and subtraction.
- Estimate answers to calculations and use inverse operations to check answers.
- Solve problems, including missing number problems using number facts, place value and more complex Addition/Subtraction.
- Partition numbers in different ways
e.g. 146=100+46
146=130+16</td>
<td>- TIMES TABLES: 2, 5, 10, 3, 4, 8. (x and ÷ facts)
- Write number sentences for 3, 4 and 8 times tables and related division facts.
- Use times tables to work out more complex calculations.
e.g. 4x12x5= (4x5)x12= 20x12=(2x12)x10= 24x10= 240
- Progress to formal written method calculations of short multiplication/division.
- Solve problems, including missing number problems, involving x/÷.
- Solve problems of positive integer scaling and correspondence.
i.e. n objects are connected to m objects.
e.g. 3 hats, 4 coats, how many different outfits?</td>
<td>- Count up and down in tenths.
- Recognise that tenths arise from dividing an object into ten equal parts and dividing 1-digit numbers or quantities by 10.
- Compare and order unit fractions including on a number line going beyond 1.
- Compare and order fractions with the same denominators.
- Recognise, and show with diagrams, equivalent fractions with small denominators.
- Recognise, find and write fractions of a discrete set of objects - unit fractions and non-unit fractions with small denominators.
- Recognise and use fractions as numbers - unit fractions and non-unit fractions with small denominators.
- Add and subtract fractions with the same denominator within a whole.
e.g. 5/7 + 1/7 = 6/7
- Solve problems using all fractions knowledge.
- Understand the relation between unit fractions and division.</td>
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<tr><th colspan="4">MEASUREMENT</th></tr>
<tr><th colspan="4">Measures / Money / Time</th></tr>
<tr><td colspan="4">- Measure, compare, +/- lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) including mixed units.
e.g. 200g and 1kg
- Measure the perimeter of simple 2d shapes
- +/- amounts of money to give change using both £ & p in practical contexts.
- Tell and write the time from an analogue clock to the nearest minute (including those with Roman Numeral I-XII)
- Read 12 hour & 24 hour clocks.
- Record and compare time in terms of seconds, minutes and hours.
- Use vocabulary such as o'clock, am/pm, morning, afternoon, noon, midnight.
- Know the number of seconds in a minute & the number of days in each month, year & leap year.
- Compare durations of events.</td></tr>
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GEOMETRY	
Properties of Shape (incl. Angles)	**Position and Direction**
- Draw 2d shapes. - Make 3d shapes using modelling materials. - Recognise 3d shapes in different orientations and describe them. - Recognise angles as a property of shape or a description of a turn. - Identify right angles. - Recognise that 2 right angles make 1/2 turn, 3 make 3/4 turn and 4 make a whole turn. - Identify whether angles are greater or less than a right angle -- Identify horizontal and vertical lines - Identify pairs of perpendicular and parallel lines.	
STATISTICS	
Drawing / Extracting / Interpreting	
- Present data using bar charts, pictograms and tables. - Use scales progressing in 2s, 5s and 10s. - Interpret data using bar charts, pictograms and tables in a variety of contexts. - Solve 1- and 2- step questions e.g. How many more/fewer using information presented in scaled bar charts, pictograms and tables.	