



Year 3 term 1 and 2

Oral and Mental calculation

- Read and write numbers to at least 200 in numerals and words
- Count on and back in 1s, 10 s or 100 s from any two- or three-digit number to at least 200.
- Count from 0 in multiples of 2,,4, 5, 10 , and 100
- Count in fraction steps, e.g. $\frac{1}{5}$, $\frac{2}{5}$, $\frac{3}{5}$...
- Order a set of random numbers to at least 200.
- Extend number sequences involving counting on or back in different steps-link to scales.
- Find 1, 10 or 100 more/less than a given number to at least 200
- Recall multiplication and division facts for 2x, 4x 5x and 10 tables
- Add and subtract mentally HTO +/-O and HTO +/-H
- Recall and use number facts to 20
- Derive number facts up to 100
- Add two or more multiples of 10
- Add two or more multiples of 5
- Add three or more one digit numbers
- Double and halve numbers to 50
- Use “see 9 or 11 but think 10 “ or” see 99 but think 100” when calculating mentally
- Find differences by counting up
- Solve missing number problems

Week Main focus of teaching

1& 2 Number - place value & counting

- *Continue to count in ones, tens and hundreds*
- **Step 10 - Count fluently from 0 in steps of 50 and 100**
- **Step 10 - I can count forwards and backwards from 0 in steps of 3 and 4.**
- **Partition numbers in different ways**
- **Partition and re-partition 2 and 3 digit numbers to at least 200**
- **Compare and order numbers to at least 200**
- **Step 10 - Recognise the place value of each digit in a three-digit number (hundreds, tens and ones) to at least 200.**
- **Round numbers to at least 200 to the nearest 10 or 100**
- **Step 10 - Find 1, 10 or 100 more or less than a given number,**
- **Step 10-12 - Solve problems involving number and place value.**

3 Addition and subtraction

- **Step 10 - Add a three-digit number and 1s (HT1s1s), mentally**
- **Step 10 - Add and subtract up to 3 digit numbers informally.**
- **Step 10 - Add and subtract numbers with 2 digits, using formal written methods of columnar addition and subtraction without regrouping.**
- **Step 10 - Add and subtract 2 2-digit numbers within 100, mentally.**
- **Step 10 - Begin to estimate the answer to a calculation.**
- **Estimate answers to calculations**
- **Solve missing number problems.**



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	<ul style="list-style-type: none"> • Use inverse to check the answers to calculations. • Steps 10-12 - Solve problems involving these ideas-use practical equipment to support.
4	<p><u>Measures –Money</u></p> <ul style="list-style-type: none"> • Step 10 - add and subtract amounts of money to give change up to the next £1 • Estimate answers to calculations • Recognise coinage and bank notes • Use inverse to check the answers to calculations • Use £ or p. • Steps 10-12 - Solve problems, including missing number problems around money.
5	<p><u>Measurement</u></p> <ul style="list-style-type: none"> • Step 10 – Measure, estimate and compare: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) using mixed units • Step 10 - Measure the perimeter of simple 2D shapes. • Read and interpret the scale on a range of measuring equipment-rules, tapes etc. • Apply measures to addition and subtraction problems • Use inverse to check answers to calculations • Steps 10-12 - Solve problems involving measure.
6&7	<p><u>Multiplication and division</u></p> <ul style="list-style-type: none"> • Step 10 - Recall and use multiplication and division for the 3 and 4 times tables up to x 5 • Step 10 - Use the multiplication tables I know to help me calculate (mentally) mathematical statements for multiplication and division (e.g. $2 \times 3 = 6$ so $2 \times 30 = 60$; $6 \div 2 = 3$ so $60 \div 2 = 30$). • Step 10 - Understand multiplication as scaling. • Step 10 - Show multiplication is distributive using arrays. (e.g. $2 \times 24 = (2 \times 20) + (2 \times 4)$) • Estimate answers to calculations • Write and calculate number sentences for 2x ,3x 4x 5x, and 10x, tables and the related division facts –<i>link to arrays and manipulatives</i> • Use inverse to check answers to calculations • Solve missing number problems involving multiplications or division-<i>link to arrays and manipulatives</i>



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8&9	<p><u>Fractions & Decimals</u></p> <ul style="list-style-type: none">• Step 10 - count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts• Step 10 - Begin to recognise, find and write fractions of a discrete set of objects: unit fractions• Step 10 - Begin to recognise and show, using diagrams, equivalent fractions with small denominators. ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$)• Step 10 - Compare fractions with the same denominators.• Step 10 - Count up and down in $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{10}$ to 10.• Recognise, find and name fractions of a set of objects- a third, a half, a quarter and a tenth with whole number answers .• Find $\frac{3}{4}$ of a set of objects,• Steps 10-12 - Solve problems involving fractions
10	<p><u>Geometry – Properties of Shape</u></p> <ul style="list-style-type: none">• Step 10 - draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them.• Step 10 - Recognise 2D and 3D shapes with line symmetry.• Steps 10-12 - Solve problems involving shape
11	<p><u>Measures –Time</u></p> <ul style="list-style-type: none">• Step 10 - tell and write the time from a 12- hour digital and analogue clock• Step 10 - Estimate and read time in 5 minute and 1 minute intervals.• Step 10 - Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.• Step 10 - Beginning to know the number of seconds in a minute and the number of days in each month, year and leap year.• Step 10-12 - Solve simple problems involving passage of time
12	<p><u>Statistics</u></p> <ul style="list-style-type: none">• Step 10 - read and insert data into bar charts, pictograms and tables.• Answer one-step and two-step questions (for example, 'How many more?' and 'How many fewer?') using information presented in scaled bar charts, pictograms and tables.• Steps 10-12 - Solve problems involving statistics