## Mathematical Objectives 2021/22

## EYFS Learning Outcomes

| $\begin{aligned} & 0-3 \\ & \text { years } \end{aligned}$ | Combine objects like stacking blocks and cups. Put objects inside others and take them out again. <br> Take part in finger rhymes with numbers. <br> React to changes of amount in a group of up to three items. <br> Compare amounts, saying lots', 'more' or 'same'. <br> Develop counting-like behaviour, such as making sounds, pointing or saying some numbers in sequence. <br> Count in everyday contexts, sometimes skipping numbers - ' $1-2-3-5$ '. <br> Climb and squeeze themselves into different types of spaces. <br> Build with a range of resources. <br> Complete inset puzzles <br> Compare sizes, weights etc. using gesture and language - 'bigger/little/smaller', 'high/low', 'tall', 'heavy'. <br> Notice patterns and arrange things in patterns |
| :---: | :---: |
|  | Develop fast recognition of up to 3 objects, without having to count them individually ('subitising'). <br> Recite numbers past 5 . <br> Say one number for each item in order: $1,2,3,4,5$. <br> Know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle'). <br> Show 'finger numbers' up to 5 . <br> Link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5 <br> Experiment with their own symbols and marks as well as numerals. <br> Solve real world mathematical problems with numbers up to 5 . <br> Compare quantities using language: 'more than', 'fewer than'. <br> Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round' (Inderstand position through words alone - for example, <br> "The bag is under the table," - with no pointing. <br> Describe a familiar route. <br> Discuss routes and locations, using words like 'in front of 'and 'behind'. <br> Make comparisons between objects relating to size, length, weight and capacity. <br> Select shapes appropriately: flat surfaces for building, a triangular prism for a roof, etc. <br> Combine shapes to make new ones - an arch, a bigger triangle, etc. <br> Talk about and identify the patterns around them. For example: stripes on clothes, designs on rugs and wallpaper. (Use informal language like 'pointy', 'spotty', 'blobs', etc. <br> Extend and create $A B A B$ patterns - stick, leaf, stick, leaf. <br> Notice and correct an error in a repeating pattern. <br> Begin to describe a sequence of events, real or fictional, using words such as first', 'then...' |
| Reception | Count objects, actions and sounds <br> Subitise. <br> Link the number symbol (numeral) with its cardinal number value <br> Count beyond ten <br> Compare numbers. <br> Understand the 'one more than/one less than' relationship between consecutive numbers. <br> Explore the composition of numbers to 10 . <br> Automatically recall number bonds for numbers $0-5$ and some to 10 . <br> Select, rotate and manipulate shapes to develop spatial reasoning skills. <br> Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can. <br> Continue, copy and create repeating patterns. <br> Compare length, weight and capacity |

ELG: (Number) Have a deep understanding of number to 10, including the composition of each number.
ELG: (Number) Subitise (recognise quantities without counting) up to 5.
ELG: (Number) Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10 , including double facts.
ELG: (Numerical Patterns) Verbally count beyond 20, recognising the pattern of the counting system.
ELG: (Numerical $P$ atterms) Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity.
ELG: (Numerical Patterns) Explore and represent patterns within numbers up to 10 , ícluding evens and odds, double facts and how quantities can be distributed equally.

\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|c|}{Year i Autumn Term} <br>
\hline Week \& Area \& National Curriculum \& Small Steps <br>
\hline 1

2 \& \begin{tabular}{l}
Number: <br>
Place Value

 \& 

Count to ten, forwards and backwards, beginning with O or 1 , or from any given number. <br>
Count, read and write numbers to 10 in numerals and words. <br>
Given a number, identify one more or one less.

 \& 

Sort objects. <br>
Count objects. <br>
Represent objects. <br>
Count, read and write forwards from any numbero to 10 . <br>
Count, read and writing backwards from any numbero to 10 . <br>
Countone more. <br>
Count one less.
\end{tabular} <br>

\hline 3 \& Geometry: Shape \& | Recognise and name common 2-D shapes, including: (for example, rectangles (including squares), circles and triangles) |
| :--- |
| Recognise and name common 3-D shapes, including: (for example, cuboids (including cubes), pyramids and spheres) | \& | Recognise and name 3D shapes Sort 3D shapes. |
| :--- |
| Recognise and name $2 D$ shapes. Sort 2D shapes. |
| Patterns with 3D and 2D shapes. | <br>

\hline 4

5 \& \begin{tabular}{l}
Number: <br>
Place Value

 \& Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least. \& 

One to one correspondence to start to compare groups. <br>
Compare groups using language such as equal, more/greater, less/ffewer. Introduce =, > and < symbols. - Compare numbers. <br>
Order groups of objects. <br>
Order numbers. <br>
Ordinal numbers (1st, 2nd, 3rd ...). <br>
The number line.
\end{tabular} <br>

\hline 6 \& | Number: |
| :--- |
| Addition and Subtraction (Within 10) | \& | Represent and use number bonds and related subbraction facts within 10 |
| :--- |
| Read, write and interpret mathematical statements involving addition $(t)$, subtraction $(t)$ and equals $\Leftrightarrow)$ signs. |
| Add and subtract one digit numbers to 10 , including | \& | Part whole model. |
| :--- |
| Addition symbol.. |
| Fact families - Addition facts. |
| Find number bonds for numbers within 10 . |
| - Systematic methods for number bonds within 10 . | <br>


\hline 7 \& \& | zero. |
| :--- |
| Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations and míssing number problems. | \& | Number bonds to 10 . |
| :--- |
| Compare number bonds. |
| Addition: Adding together. |
| Addition: Adding more. |
| Finding a part. |
| Subtraction: Taking away, how many left? |
| Crossing out. |
| Subtraction: Taking away, how many left? Introducing the subtraction symbol. Subtraction: Finding a part, breaking apart. | <br>

\hline
\end{tabular}

| 9 |  |  | Fact families - The 8 facts. <br> Subtraction: Counting back. <br> Subtraction: Finding the difference. <br> Comparing addition and subtraction statements $a+b>c$. <br> - Comparing addition and subtraction statements $a+b>c+d$. |
| :---: | :---: | :---: | :---: |
| 10 | Number: Place <br> Value <br> (within 20) | Count to twenty, forwards and backwards, beginning with $O$ or 1 , from any given number. <br> Count, read and write numbers to 20 in numerals and words. <br> Given a number, identify one more or one less. <br> Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least. | Count forwards and backwards and write numbers to 20 in numerals and words. <br> Numbers from 11 to 20. <br> Tens and ones. <br> Count one more and one less. <br> Compare groups of objects. <br> Compare numbers. <br> Order groups of objects. <br> Order numbers. |
| 12 | Additional weeks to be used as consolidation |  |  |


| Year 1 Spring Term |  |  |  |
| :---: | :---: | :---: | :---: |
| Week | Area | National Curriculum Link | Small Steps |
| 1 2 | Number: Addition and Subtraction | Represent and use number bonds and related subtraction facts within 20 <br> Read, write and interpret mathematical statements involving addition ( + ), subtraction ( $($ ) and equals $(=)$ signs | Add by counting on. <br> Find and make number bonds. <br> Add by making 10 . <br> Subtraction - Not crossing 10 . |
| 3 4 | Measurement: <br> Length and Height | Measure and begin to record lengths and heights. Compare, describe and solve practical problems for: lengths and heights (for example, long/short, longer/shorter, tall/short, double/half) | Compare lengths and heights. |
| 5 6 | Number: Addition and Subtraction | Add and subtract one-digit and two-digit numbers to 20, including zero. <br> Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and míssing number problems such as $7=0-9$ | Subtraction-Crossing 10. <br> Related Facts. <br> Compare Number Sentences. |
| 7 | Measurement: <br> Weight and Volume | Measure and begin to record mass/weight, capacity and volume. <br> Compare, describe and solve practical problems for mass/weight: (for example, heavy light, heavier than, lighter than]; capacity and volume (for example, full/empty, more than, less than, half, half full, quarter] | Introduce weight and mass. <br> Measure mass. <br> Compare mass. <br> Introduce capacity. <br> Measure capacity. <br> Compare capacity. |
| 9 10 | Number: Place Value | Count to 50 forwards and backwards, beginning with 0 or 1 , or from any number. <br> Count, read and write numbers to 50 in numerals. Given a number, identify one more or one less. Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least. | Numbers to 50 <br> Tens and ones. <br> Represent numbers to 50 . <br> One more one less. <br> Compare objects within 50 . <br> Compare numbers within 50 <br> Order numbers within 50. <br> Count in 2 s . |


| 11 | Count in multiples of twos, fives and tens. | Count in 5 s. |
| :---: | :---: | :---: | :---: |
| 12 | Additional weeks to be used as consolidation |  |


| Year i Summer Term |  |  |  |
| :---: | :---: | :---: | :---: |
| Week | Area | National Curriculum Link | Small Steps |
| 1 2 3 | Number: Multiplication and Division | Count in multiples of twos, fives and tens. <br> Solve one step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher. | Count in 10 s. <br> Make equal groups. <br> Add equal groups. <br> Make arrays. <br> Make doubles. <br> Make equal groups - grouping. <br> Make equal groups - sharing. |
| 4 | Number: <br> Fractions | Recognise, find and name a half as one of two equal parts of an object, shape or quantity. <br> Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity. <br> Compare, describe and solve practical problems for: lengths and heights (for example, long/short, longer/shorter, tall/short, double/half) <br> Compare, describe and solve practical problems for: mass/weight [for example, heavy/light, heavier than, lighter than]; capacity and volume [for example, full/empty, more than, less than, half, half full, quarter | Halving shapes or objects. <br> Halving a quantity. <br> Find a quarter of a shape or object. <br> Find a quarter of a quantity. |
| 6 | Geometry: <br> Position and Direction | Describe position, direction and movement, including whole, half, quarter and three quarter turns | Describe turns. <br> Describe Position |
| 7 8 | Number: <br> Place Value | Count to and across 100, forwards and backwards, beginning with 0 or 1 , or from any given number. <br> Count, read and write numbers to 100 in numerals. <br> Given a number, identify one more and one less. <br> Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than, most, least. | Counting to 100 . <br> Partitioning numbers. <br> Comparing numbers <br> Ordering numbers. <br> One more, one less. |
| 9 | Measurement: <br> Money | Recognise and know the value of different denominations of coins and notes. | Recognising coins. <br> Recognising notes. <br> Counting in coins. |
| 10 | Measurement: <br> Tíme | Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening. Recognise and use language relating to dates, including days of the week, weeks, months and years. <br> Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times. Compare, describe and solve practical problems for time [for example, quicker, slower, earlier, later] Measure and begin to record time (hours, minutes, seconds) | Before and after. <br> Dates. <br> Time to the hour. <br> Time to the half hour. <br> Writing time. <br> Comparing time. |



## Year 2 Autumn Term

\begin{tabular}{|c|c|c|c|}
\hline Week \& Area \& National Curriculum Link \& Small Steps <br>
\hline 1

2

3 \& Number: Place Value \& \begin{tabular}{l}
Read and write numbers to at least 100 in numerals and in words. <br>
Recognise the place value of each digitit in a two digit number (tens, ones) <br>
Identify, represent and estimate numbers using different representations including the number line. <br>
Compare and order numbers from 0 up to 100; use <, > and $=$ signs. <br>
Use place value and number facts to solve problems. <br>
Count in steps of 2,3 and 5 from 0 , and in tens from any number, forward and backward.

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Count objects to 100 and read and write numbers in numerals and words. <br>
Represent numbers to 100. <br>
Tens and ones with a part whole model. <br>
Tens and ones using addition. <br>
Use a place value chart. <br>
Compare objects. <br>
Compare numbers. <br>
Order objects and numbers. <br>
Count in 25, 55 and 105. <br>
Countin 3 s.
\end{tabular} <br>

\hline 4

5 \& \begin{tabular}{l}
Number: <br>
Addition and Subtraction

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Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 . <br>
Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers. <br>
Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.

 \& 

Fact families - Addition and subtraction bonds to 20. <br>
Check calculations. <br>
Compare number sentences. <br>
Related facts. <br>
Bonds to 100 (tens). <br>
Add and subtract is. <br>
10 more and ioless. <br>
Add and subtract ios. <br>
Add a 2 -digit and 1 -digit number - crossing ten. <br>
Subtract a 1 -digit number from a 2 -digit number-crossing 10. <br>
Add two 2-digit numbers - not crossing ten - add ones and add tens. <br>
Add two 2-digit numbers - crossing ten add ones and add tens
\end{tabular} <br>

\hline 6

7 \& \begin{tabular}{l}
Measurement: <br>
Money

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Recognise and use symbols for pounds ( $£$ ) and pence ( $p$ ); combine amounts to make a particular value. <br>
Find different combinations of coins that equal the same amounts of money. <br>
Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.

 \& 

Count money - pence. <br>
Count money - pounds (notes and coíns), <br>
Count money - notes and coins. <br>
Select money. <br>
Make the same amount. <br>
Compare money. <br>
Find the total. <br>
Find the difference. <br>
Find change. <br>
Two-step problems.
\end{tabular} <br>

\hline 8

9 \& Number: Addition and Subtraction \& Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. \& | Subtract a 2 -digit number from a 2 -digit number - not crossing ten. |
| :--- |
| Subtract a 2-digit number from a 2 -digit number - crossing ten - subtract ones and tens. |
| Bonds to 100 (tens and ones). |
| Add three 1-digit numbers. | <br>

\hline
\end{tabular}

| 10 | Number: <br> Multiplication and Division | Recall and use multiplication and division facts for the 2,5 and 10 times tables, including recognising odd and even numbers. Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication $(x)$, division $(\Varangle)$ and equals $(=)$ sign. <br> Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts. Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. | Recognise equal groups. <br> Make equal groups. <br> Add equal groups. <br> Multiplication sentences using the $x$ symbol. <br> Multiplication sentences from pictures. <br> Use arrays. <br> 2 times-table. <br> 5 tímes-table. <br> 10 times-table |
| :---: | :---: | :---: | :---: |
| 12 | Additional weeks to be used as consolidation |  |  |
|  |  | $\text { Year } 2 \text { Spring Term }$ |  |
| Week | Area | National Curriculum Link | Small Steps |
| 1 2 | Number: <br> Multiplication and Division | Recall and use multiplication and division facts for the 2,5 and 10 times tables, including recognising odd and even numbers. Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication ( $\times$ ), division $(\div)$ and equals $(=)$ signs Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts. Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. | Make equal groups - sharing. <br> Make equal groups - grouping. <br> Divide by 2. <br> Odd and even numbers. <br> Divide by 5 . <br> Divide by 10 . |
| 3 | Statistics | Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. <br> Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. Ask and answer questions about totalling and comparing categorical data. | Make tally charts. <br> Draw pictograms <br> Interpret pictograms <br> Block diagrams. |
| 5 6 | Geometry: Properties of Shape | Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. <br> Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces. <br> Identify 2-D shapes on the surface of $3-D$ shapes, [for example, a circle on a cylinder and a triangle on a pyramid.] Compare and sort common 2-D and 3-D shapes and everyday objects. | Recognise 2D and 3 D shapes Count sides on 2D shapes. <br> Count vertices on 2D shapes. <br> Draw 2D shapes. <br> Lines of symmetry. Sort 2D shapes. <br> Make patterns with 2D shapes. <br> Count faces on 3D shapes. <br> Count edges on 3D shapes. <br> Count vertices on 3D shapes. <br> Sort 3 D shapes. <br> Make patterns with 3D shapes |
| 8 <br> 9 <br> 10 | Number: <br> Fractions | Recognise, find, name and write fractions $1 / 3,1 / 4,2 / 4$ and $3 / 4$ of a length, shape, set of objects or quantity. <br> Write simple fractions for example, $1 / 2$ of $6=3$ and recognise the equivalence of $2 / 4$ and $1 / 2$ | Make equal parts. <br> Recognise half. <br> Find half. <br> Recognise quarters. <br> Find a quarters. <br> Recognise a third. <br> Find a third. <br> Unit fractions. <br> NonOunit fractions. <br> Equivalence of $1 / 2$ and $2 / 4$. <br> Find three quarters. <br> Count in fractions. |
| 11 | Measurement: Length and Height | Choose and use appropriate standard units to estimate and measure length/height in any direction ( $\mathrm{m} / \mathrm{cm}$ ); mass $(\mathrm{kg} / \mathrm{g})$; temperature ( ${ }^{\circ} \mathrm{C}$ ); capacity (litres $\left./ \mathrm{ml}\right)$ to the nearest | Measure length (cm). <br> Measure length ( m ). <br> Compare lengths. <br> Order lengths. |


|  |  | appropriate unit, using rulers, scales, thermometers and measuring vessels <br> Compare and orderlengths, mass, volume/capacity and record the results using $>,<$ and $=$ | Four operations with lengths. |
| :---: | :---: | :---: | :---: |
| 12 | Additional weeks to be used as consolidation |  |  |
| Year 2 Summer Term |  |  |  |
| Week | Area | National Curriculum Link | Small Steps |
| 2 | Geometry: <br> Position and | Use mathematical vocabulary to describe position, direction and movement including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and | Describing movement. <br> Describing turns. <br> Describing movement and turns. Making patterns with shapes. |
| 3 | Dírection | anti-clockwise). <br> Order and arrange combinations of mathematical objects in patterns and sequences |  |
| 4 | Problem Solving and Efficient Methods | Across all areas |  |
| 6 7 | Measurement: Time | Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times. <br> Know the number of minutes in an hour and the number of hours in a day. Compare and sequence intervals of time. | O'clock and half past. <br> Quarter past and quarter to. <br> Telling time to 5 minutes. <br> Minutes in an hour, hours in a day. <br> Find durations of time. <br> Compare durations of time.. |
| 8 9 10 | Measurement: <br> Mass, <br> Capacíty and <br> Temperature | Choose and use appropriate standard units to estimate and measure length/height in any direction ( $\mathrm{m} / \mathrm{cm}$ ); mass $(\mathrm{kg} / \mathrm{g})$; temperature $\left({ }^{\circ} \mathrm{C}\right)$; capacity (litres $\left./ \mathrm{ml}\right)$ to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels <br> Compare and order lengths, mass, volume/capacity and record the results using $\rangle$, <and = <br> Investigations | Compare mass. <br> Measure mass in grams. <br> Measure mass in kilograms. <br> Compare capacity. <br> Millilitres. <br> Litres. <br> Temperature. |
| 11 | Investigations |  |  |
| 12 | Additional weeks to be used as consolidation |  |  |

## Year 3 Autumn Term

\begin{tabular}{|c|c|c|c|}
\hline Week \& Area \& National Curriculum Link \& Small Steps \\
\hline 1
2
3 \& \begin{tabular}{l}
Number: \\
Place Value
\end{tabular} \& \begin{tabular}{l}
Identify, represent and estimate numbers using different representations. \\
Find 10 or 100 more or less than a given number Recognise the place value of each digit in a three-digit number (hundreds, tens, ones). \\
Compare and order numbers up to 1000 Read and write numbers up to 1000 in numerals and in words. Solve number problems and practical problems involving these ideas. \\
Count from 0 in multiples of 4, 8,50 and 100
\end{tabular} \& \begin{tabular}{l}
Hundreds. \\
Represent numbers to 1,000 . \\
1005, 10 s and is \\
Numberline to 1,000 . \\
Find \(1,10,100\) more or less than a \\
given number. \\
Compare objects to 1,000. \\
Compare numbers to 1,000 . \\
Order numbers. \\
Countín 50 s.
\end{tabular} \\
\hline 4
5

6 \& \begin{tabular}{l}
Number: <br>
Addition and Subtraction

 \& 

Add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three digit number and hundreds <br>
Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.

 \& 

Add and subtract multiples of 100 . Add and subbract 3 -digit numbers and ones - not crossing 10 . Add 3 -digit and 1 -digit numbers crossing 10 . <br>
Subtracta a 1 -digit number from a 3digit number- crossing 10 . Add and subtract 3 -digit numbers and tens - not crossing 100. Add a 3-digit number and tenscrossing 100 . <br>
Add and subtract 100 s. <br>
Spot the pattern - making it explicit. Add and subtract a 2-digit and 3-digit number - not crossing 10 or 100 .
\end{tabular} <br>

\hline 7

8 \& \begin{tabular}{l}
Number: <br>
Fractions

 \& Number - fractions Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. Solve problems that involve all of the above. \& 

Unít and non-unit fractions. <br>
Making the whole. <br>
Tenths. <br>
Count in tenths. <br>
Tenths as decimals. <br>
Fractions of a number line. <br>
Fractions of a set of objects
\end{tabular} <br>

\hline 10

11 \& Measurement: Tíme \& \begin{tabular}{l}
Measurement - time Tell and write the time from an analogue clock, including using Roman numerals from $\mid$ to $X I I$ and 12 hour and 24-hour clocks. <br>
Estimate and read time with increasing accuracy to the nearest minute. <br>
Record and compare time in terms of seconds, minutes and hours. <br>
Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight. <br>
Know the number of seconds in a minute and the number of days in each month, year and leap year. <br>
Compare durations of events (for example to calculate the time taken by particular events or tasks].

 \& 

Months and years. <br>
Hours in a day. <br>
Telling the time to 5 minutes. <br>
Telling the time to the minute. <br>
AM and PM. <br>
24 hour clock. <br>
Finding the duration. <br>
Comparing the duration. <br>
Start and end times. <br>
Measuring time in seconds.
\end{tabular} <br>

\hline 12 \& \multicolumn{3}{|c|}{Additional weeks to be used as consolidation} <br>
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|c|}{Year 3 Spring Term} \\
\hline Week \& Area \& National Curriculum Link \& Small Steps \\
\hline 1 \& \multirow[t]{3}{*}{Number: Multiplication and Division} \& \multirow[t]{3}{*}{Number - Multiplication and Division Count from 0 in multiples of \(4,8,50\) and 100 Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written me thods. Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to \(m\) objectives.} \& \multirow[t]{3}{*}{\begin{tabular}{l}
Multiplication - equal groups. \\
Multiplying by 3 . \\
Dividing by 3. \\
The 3 times-table. \\
Multiplying by 4. \\
Dividing by 4. \\
The 4 times-table. \\
Multiplying by 8 . \\
Dividing by 8 . \\
The 8 times-table
\end{tabular}} \\
\hline 2 \& \& \& \\
\hline 3 \& \& \& \\
\hline 4 \& Measurement: Money \& Add and subtract amounts of money to give change, using both £and pin practical contexts \& \begin{tabular}{l}
Pounds and pence. \\
Converting pounds and pence. \\
Adding money. \\
Subtracting money. \\
Giving change
\end{tabular} \\
\hline 5
6 \& Statistics \& \begin{tabular}{l}
Interpret and present data using bar charts, píctograms and tables. \\
Solve one-step and two-step questions (for example, 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables.
\end{tabular} \& Pictograms. Barcharts. Tables. \\
\hline 7 \& \begin{tabular}{l}
Number: \\
Multiplication and Division
\end{tabular} \& \begin{tabular}{l}
Number - multiplication and division Recall and use multiplication and division facts for the 3,4 and 8 multiplication tables. \\
Write and calculate mathematical statements for
\end{tabular} \& \begin{tabular}{l}
Comparing statements. \\
Related calculations. \\
Multiply 2-digits by 1-digit \\
Divide 2-digits by 1-digit \\
Scaling.
\end{tabular} \\
\hline 8

9 \& \& | multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods. |
| :--- |
| Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to $m$ objectives. | \& How many ways? <br>

\hline 10

11 \& \begin{tabular}{l}
Number: <br>
Addition and Subtraction

 \& 

Estimate the answer to a calculation and use inverse operations to check answers. <br>
Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.

 \& 

Add a 2-digit and 3-digit number crossing 10 or 100 . <br>
Subtract 2 -digit number from a 3 -digit number cross the 10 or 100 . <br>
Add two 3-digit numbers - not crossing 10 or 100. <br>
Add two 3-digit numbers - crossing 10 or 100 . Subtract a 3 -digit number from a 3 -digit number - no exchange. Subtract a 3 -digit number from a 3 -digit number - exchange. Exchange answers to calculations. Check.
\end{tabular} <br>

\hline
\end{tabular}

| 12 | Additional weeks to be used as consolidation |
| :--- | :--- |

## Year 3 Summer Term

\begin{tabular}{|c|c|c|c|}
\hline Week \& Area \& National Curriculum Link \& Small Steps \\
\hline 3 \& \begin{tabular}{l}
Number: \\
Fractions
\end{tabular} \& \begin{tabular}{l}
Recognise and show, using diagrams, equivalent fractions with small denominators. \\
Compare and order unit fractions, and fractions with the same denominators. \\
Add and subtract fractions with the same denominator within one whole [for example, \(57+17=67\) ] \\
Solve problems that involve all of the above.
\end{tabular} \& Equivalent fractions Compare fractions. Order fractions. Add fractions. Subtract fractions. \\
\hline 5
6 \& \begin{tabular}{l}
Measurement: \\
Length and \\
Perimeter
\end{tabular} \& \begin{tabular}{l}
Measure, compare, add and subtract: lengths ( \(\mathrm{m} / \mathrm{cm} / \mathrm{mm}\) ) \\
Measure the perimeter of simple 2D shapes.
\end{tabular} \& \begin{tabular}{l}
Measure length. \\
Equivalent lengths - m \& cm. \\
Equivalent lengths - mm \& cm. \\
Compare lengths. \\
Addlengths. \\
Subtraction lengths. \\
Measure perimeter. \\
Calculate perimeter
\end{tabular} \\
\hline 7

8 \& \begin{tabular}{l}
Geometry: <br>
Properties of Shape

 \& 

Recognise angles as a property of shape or a description of a turn. <br>
Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle. <br>
Identify horizontal and vertical lines and pairs of perpendicular and parallel lines. <br>
Draw 2-D shapes and make 3D shapes using modelling materials. <br>
Recognise 3-D shapes in different orientations and describe them

 \& 

Turns and angles. <br>
Right angles in shapes. <br>
Compare angles. <br>
Draw accurately. <br>
Horizontal and vertical. <br>
Parallel and perpendicular. <br>
Recognise and describe 2D shapes. <br>
Recognise and describe 3D shapes. <br>
Make 3D shapes
\end{tabular} <br>

\hline 9
10

11 \& \begin{tabular}{l}
Measurement: <br>
Mass and Capacity

 \& Measure, compare, add and subtract: mass (kg/g); volume/capacity ( $1 / \mathrm{ml}$ ). \& 

Measure mass <br>
Compare mass. <br>
Add and subtract mass. <br>
Measure capacity <br>
Compare capacity. <br>
Add and subtract capacity
\end{tabular} <br>

\hline 12 \& \multicolumn{3}{|c|}{Additional weeks to be used as consolidation} <br>
\hline
\end{tabular}

Year 4 Autumn Term



| Year 4 Summer Term |  |  |  |
| :---: | :---: | :---: | :---: |
| Week | Area | National Curriculum Link | Small Steps |
| 1 | Number: Decímals | Compare numbers with the same number of decimal places up to two decímal places. <br> Round decimals with one decimal place to the nearest whole number. <br> Recognise and write decimal equivalents to 14,12 and 34 <br> Find the effect of dividing a one or two digit number by 10 or 100 , identifying the value of the digits in the answer as ones, tenths and hundredths | Make a whole. <br> Write decimals. <br> Compare decimals. <br> Order decímals. <br> Round decimals. <br> Halves and quarters. |
| 3 4 | Measurement: <br> Money | Estimate, compare and calculate different measures, including money in pounds and pence. <br> Solve simple measure and money problems involving fractions and decimals to two decimal places. | Pounds and pence. <br> Ordering amounts of money <br> Using rounding to estimate money <br> Four operations |
| 5 | Measurement: Tíme | Convert between different units of measure (for example,, hour to minute] <br> Read, write and convert time between analogue and digital 12-and 24 -hour clocks. <br> Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days. | Hours, minutes and seconds. Years, months, weeks and days. <br> Analogue to digital - 12 hour. <br> Analogue to digital - 24 hour. |
| 6 7 | Statistics | Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. <br> Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs | Interpret charts. <br> Comparison, sum and difference. <br> Introducing line graphs. <br> Line graphs |
| 8 9 10 | Geometry: <br> Properties of Shape | Identify acute and obtuse angles and compare and order angles up to two right angles by size. <br> Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. <br> Identify lines of symmetry in 2-D shapes presented in different orientations. <br> Complete a simple symmetric figure with respect to a specific line of symmetry. | Identify angles. <br> Compare and order angles. <br> Triangles. <br> Quadrilaterals. <br> Lines of symmetry. <br> Complete a symmetric figure. |
| 11 | Geometry: Position and Dírection | Describe positions on a 2-D grid as coordinates in the first quadrant. <br> Plot specified points and draw sídes to complete a given polygon. <br> Describe movements between positions as translations of a given unit to the left/right and up/ down. | Describe position. <br> Draw on a grid. <br> Move on a grid. <br> Describe a movement on a grid |
| 12 | Additional weeks to be used as consolidation |  |  |

## Year 5 Autumn Term

\begin{tabular}{|c|c|c|c|}
\hline Week \& Area \& National Curriculum Link \& Small Steps \\
\hline 1 \& \multirow[t]{3}{*}{\begin{tabular}{l}
Number: \\
Place Value
\end{tabular}} \& \multirow[t]{3}{*}{\begin{tabular}{l}
Read, write, order and compare numbers to at least 1000000 and determine the value of each digit. \\
Count forwards or backwards in steps of powers of 10 for any given number up to 1000000 . \\
Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers including through zero. Round any number up to 1000000 to the nearest \(10,100,1000,10000\) and 100000 \\
Solve number problems and practical problems that involve all of the above. \\
Read Roman numerals to \(1000(\mathrm{M})\) and recognise years written in Roman numeral
\end{tabular}} \& \begin{tabular}{l}
Number to 10,000. \\
Roman numerals to 1,000. \\
Round to the nearest 10, 100 and 1000 . \\
Number to 100,000.
\end{tabular} \\
\hline 2 \& \& \& \begin{tabular}{l}
Round numbers within 100,000. \\
Numbers to a million. \\
Counting in 10s, 100s, 1,000 s, 10,000s and 100,000 s.
\end{tabular} \\
\hline 3 \& \& \& \begin{tabular}{l}
Compare and order numbers to a million. Round numbers to a million. \\
Negative numbers.
\end{tabular} \\
\hline 4

5 \& \begin{tabular}{l}
Number: <br>
Addition and Subtraction

 \& 

Add and subtract numbers mentally with increasingly large numbers. <br>
Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) (Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy. <br>
Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

 \& 

Add whole numbers with more than 4 digits (column method). <br>
Subtract whole numbers with more than 4digits (column method). <br>
Round to estimate and approximate. Inverse operations (addition and subtraction). <br>
Multi-step addition and subtraction problems.
\end{tabular} <br>

\hline 6

7 \& Statistics \& \begin{tabular}{l}
Solve comparison, sum and difference problems using information presented in a line graph. <br>
Complete, read and interpret information in tables including timetables.

 \& 

Read and interpret line graphs. <br>
Draw line graphs. <br>
Use line graphs to solve problems. <br>
Read and interpret tables. <br>
Two way tables. <br>
Timetables.
\end{tabular} <br>

\hline 8 \& \multirow[t]{2}{*}{| Number: |
| :--- |
| Multiplication and Division |} \& \multirow[t]{2}{*}{| Multiply and divide numbers mentally drawing upon known facts. |
| :--- |
| Multiply and divide whole numbers by 10, 100 and 1000. Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers. Recognise and use square numbers and cube numbers and the notation for squared (2) and cubed (3) |
| Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes. |
| Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers. |
| Establish whether a number up to 100 is prime and recall prime numbers up to 19 |} \& \multirow[t]{2}{*}{| Multiples. |
| :--- |
| Factors. |
| Common factors |
| Prime numbers. |
| Square numbers. |
| Cubenumbers. |
| Multiplying by 10, 100 and 1000. |
| Dividing by 10, 100 and 1000 . |
| Multiples of 10, 100 and 1000 . |} <br>

\hline 9 \& \& \& <br>

\hline 10 \& Measurement: Perímeter and Area \& Measure and calculate the perimeter of composite rectilinear shapes in cm and m . \& | Measure perimeter. |
| :--- |
| Calculate perímeter |
| . Area of rectangles. | <br>

\hline
\end{tabular}

| 11 | Calculate and compare the area of rectangles (including <br> squares), and including using standard units, $\mathrm{cm} 2, \mathrm{~m} 2$ <br> estimate the area of irregular shapes. | Area of compound shapes. <br> Area of irregular shapes. |
| :---: | :---: | :--- | :--- |
| 12 | Additional weeks to be used as consolidation |  |


| Year 5 Spring Term |  |  |  |
| :---: | :---: | :---: | :---: |
| Week | Area | National Curriculum Link | Small Steps |
| 2 3 | Number: <br> Multiplication and Division | Multiply and divide numbers mentally drawing upon known facts. <br> Multiply numbers up to 4 digits by a one or two digit number using a formal written method, including long multiplication for 2 digit numbers. <br> Divide numbers up to 4 digits by a one digit number using the formal written method of short division and interpret remainders appropriately for the context. <br> Solve problems involving addition and subtraction, multiplication and division and a combination of these, including understanding the use of the equals sign | Multiply 4-digits by 1-digit. <br> Multiply 2-digits (area model). <br> Multiply 2-digits by 2-digits. <br> Multiply 3-digits by 2-digits. <br> Multiply 4-digits by 2-digits. <br> Divide 4-digits by 1-digit. <br> Divide with remainders. |
| 4 <br> 5 <br>  <br> 6 | Number: <br> Fractions | Compare and order fractions whose denominators are multiples of the same number. <br> Identify, name and write equivalent fractions of a given fraction, represented visually including tenths and hundredths. <br> Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements $>1$ as a mixed number (for example $25+45=$ $65=115]$ <br> Add and subtract fractions with the same denominator and denominators that are multiples of the same number. <br> Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. <br> Read and write decímal numbers as fractions [ for example <br> $0.71=$ <br> $71100]$ <br> Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates. | Equivalent fractions. <br> Improper fractions to mixed numbers. <br> Mixed numbers to improper fractions. <br> Number sequences. <br> Compare and order fractions less than 1. <br> Compare and order fractions greater than <br> 1. <br> Add and subtract fractions. <br> Add fractions within 1. <br> Add 3 or more fractions. <br> Add mixed numbers. <br> Subtract fractions. <br> Subtract mixed numbers. <br> Subtract - breaking the whole. <br> Subtract 2 mixed numbers. <br> Multiply unit fractions by an integer. <br> Multiply non-unit fractions by an integer. <br> Multiply mixed numbers by integers. <br> Fraction of an amount. <br> Using fractions as operators. |
| 10 | Number: <br> Decimals and Percentages | Read, write, order and compare numbers with up to three decímal places. <br> Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. <br> Round decimals with two decimal places to the nearest whole number and to one decimal place. <br> Solve problems involving number up to three decimal places. <br> Recognise the per cent symbol (\%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100 , and as a decimal. <br> Solve problems which require knowing percentage and decimal equivalents of $12,14,15,25,45$ and those fractions with a denominator of a multiple of 10 or 25 . | Decimals up to $2 \mathrm{~d} . \mathrm{p}$. <br> Decimals as fractions <br> Understand thousandths. <br> Thousands as decimals. <br> Rounding decimals. <br> Order and compare decimals. <br> Understand percentages. <br> Percentages as fractions and decimals. Equivalent F.D.P. |
| 12 |  | Additional weeks to be used as con | olidation |


| Year 5 Summer Term |  |  |  |
| :---: | :---: | :---: | :---: |
| Week | Area | National Curriculum Link | Small Steps |
| 1 | Number: <br> Decímals | Solve problems involving number up to three decimal places. <br> Multiply and divide whole numbers and those involving decimals by 10,100 and 1000 . <br> Usc all four operations to solve problems involving measure [ for example, length, mass, volume, money) using decimal notation, including scaling. | Adding decimals within 1 . <br> Subtracting decimals within 1 . <br> Complements to 1 . <br> Adding decimals - crossing the whole. <br> Adding decimals with the same number of decimal places. <br> Subtracting decimals with the same number of decimal places. <br> Adding decimals with a different number of decimal places. <br> Subtracting decimals with a different number of decímal places. <br> Adding and subtracting whole and decimals. Decimal sequences. <br> Multiplying decimals by 10, 100 and 1000 . Dividing decimals by 10, 100 and 1,000 . |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 | Geometry: <br> Properties of Shape and Angles | Identify 3D shapes, including cubes and other cuboids, from 2D representations. <br> Use the properties of rectangles to deduce related facts and find missing lengths and angles. <br> Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. <br> Draw given angles, and measure them in degrees ( 0 ) Identify: angles at a point and one whole turn (total 3600), angles at a point on a straight line and $1 / 2$ a turn (total 1800) other multiples of 90 | Measuring angles in degrees. Measuring with a protractor. Drawing lines and angles accurately. Calculating angles on a straight line. Calculating angles around a point. Calculating lengths and angles in shapes. Regular and irregular polygons. Reasoning about 3D shapes. |
| 6 |  |  |  |
| 7 |  |  |  |
| 8 | Geometry: <br> Position and Dírection | Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed. | Position in the first quadrant. <br> Reflection. <br> Reflection with coordinates. <br> Translation. <br> Translation with coordinates. |
| 9 | Measurement: <br> Converting Units | Convert between different units of metric measure (for example, $k m$ and $m ; c m$ and $m ; c m$ and $m m ; g$ and $k g l$ and ml] | Kilograms and kilometres. <br> Milligrams and millilitres. <br> Metric units. |
| 10 |  | metric urits and common imperial units such as inches, pounds and pints. <br> Solve problems involving converting between units of time. | Converting units of time. <br> Timetables. |
| 11 | Measurement: Volume | Estimate volume (for example using 1 cm 3 blocks to build cuboids (including cubes)] and capacity [for example, using water] <br> Use all four operations to solve problems involving measure | What is volume? <br> Compare volume. <br> Estimate volume <br> Estimate capacity. |
| 12 | Additional weeks to be used as consolidation |  |  |

\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|c|}{Year 6 Autumn Term} \\
\hline Week \& Area \& National Curriculum Link \& Small Steps \\
\hline 1
2 \& \begin{tabular}{l}
Number: \\
Place Value
\end{tabular} \& \begin{tabular}{l}
Read, write, order and compare numbers up to \(10,000,000\) and determine the value of each digit. Round any whole number to a required degree of accuracy. \\
Use negative numbers in context, and calculate intervals across zero. \\
Solve number and practical problems that ívolve all of the above.
\end{tabular} \& \begin{tabular}{l}
Numbers to ten million. \\
Compare an order any number. \\
Round any numbers. \\
Negative numbers
\end{tabular} \\
\hline 3 \& \multirow[t]{3}{*}{\begin{tabular}{l}
Number: \\
Addition and Subtraction \\
Multiplication and Division
\end{tabular}} \& \multirow[t]{3}{*}{\begin{tabular}{l}
Solve addition and subtraction multi step problems in contexts, deciding which operations and methods to use and why. \\
Multiply multi-digit number up to 4 digits by a 2 -digit number using the formal written method of long multiplication. \\
Divide numbers up to 4 digits by a 2 -digit whole number using the formal written method of long division, and interpret remaínders as whole number remainders, fractions, or by rounding as appropriate for the context. Divide numbers up to 4 digits by a 2 -digit number using the formal written method of short division, interpreting remainders according to the context. \\
Perform mental calculations, including with mixed operations and large numbers. \\
Identify common factors, common multíples and prime numbers. \\
Use theirknowledge of the order of operations to carry out calculations involving the four operations. \\
Solve problems involving addition, subtraction, multiplication and division. \\
Use estimation to check answers to calculations and determine in the context of a problem, an appropriate degree of accuracy
\end{tabular}} \& \multirow[t]{3}{*}{\begin{tabular}{l}
Add and subtract whole numbers. \\
Multiply up to 4-digit by 1-digit number \\
Short division. \\
Division using factors. \\
Long division \\
Common factors. \\
Common multiples. \\
Primes. \\
Squares and cubes. \\
Order of operations. \\
Mental calculations and estimation. \\
Reasoning from known facts.
\end{tabular}} \\
\hline 4 \& \& \& \\
\hline 5

6 \& \& \& <br>

\hline 7 \& | Number: |
| :--- |
| Fractions | \& Use common factors to simplify fractions; use common multiples to express fractions in the same denomination. Compare and order fractions, including fractions $>1$ Generate and describe linear number sequences (with \& | Simplify fractions. |
| :--- |
| Fractions on a number line. |
| Compare \& order (denominator), |
| Compare \& order (numerator). | <br>


\hline 9 \& \& | fractions) |
| :--- |
| Add and subtract fractions with different denominations and mixed numbers, using the concept of equivalent fractions. Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example $14 \times 1$ $2=18]$ |
| Divide properfractions by whole numbers [for example $13 \div 2=16]$ | \& | Add \& subtract fractions |
| :--- |
| Adding fractions. |
| Subtracting fractions. |
| Mixed addition and subtraction. |
| Multiply fractions by integers. |
| Multiply fractions by fractions. |
| Divide fractions by integers |
| Four rules with fractions. | <br>


\hline 10 \& \& | Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example 3 8] |
| :--- |
| Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. | \& Fraction of an amount. Finding the whole. <br>


\hline 11 \& | Geometry: |
| :--- |
| Position and Dírection | \& | Describe positions on the full coordinate grid (all four quadrants). |
| :--- |
| Draw and translate simple shapes on the coordinate plane, and reflect them in the axes. | \& | Coordinates in the first quadrant. |
| :--- |
| Coordinate in four quadrants. |
| Translations. |
| Reflections. | <br>

\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|c|}{Year 6 Spring Term} <br>
\hline Week \& Area \& National Curriculum Link \& Small Steps <br>
\hline 1

2 \& \begin{tabular}{l}
Number: <br>
Decímals

 \& 

Identify the value of each digit in numbers given to 3 decimal places and multiply numbers by 10, 100 and 1,000 giving answers up to 3 decimal places. <br>
Multiply one-digit numbers with up to 2 decimal places by whole numbers. <br>
Use written division methods in cases where the answer has up to 2 decimal places. <br>
Solve problems which require answers to be rounded to specified degrees of accuracy

 \& 

Three decimal places. <br>
Multiply by 10, 100 and 1,000 . <br>
Divide by 10, 100 and 1,000 . <br>
Multiply decimals by integers. <br>
Dívide decimals by integers. <br>
Division to solve problems. <br>
Decimals as fractions. <br>
Fractions to decimals
\end{tabular} <br>

\hline 3

4 \& \begin{tabular}{l}
Number: <br>
Percentages

 \& 

Solve problems involving the calculation of percentages [for example, of measures and such as $15 \%$ of 360 ] and the use of percentages for comparison. <br>
Recall and use equivalences between simple fractions, decimals and percentages including in different contexts

 \& 

Fractions to percentages. <br>
Equivalent FDP. <br>
Percentage of an amount <br>
Percentages - míssing values. <br>
Percentage increase and decrease. Order FDP.
\end{tabular} <br>

\hline 5

6 \& \begin{tabular}{l}
Number: <br>
Algebra

 \& 

Use simple formulae <br>
Generate and describe linear number sequences. <br>
Express missing number problems algebraically. <br>
Find pairs of numbers that satisfy an equation with two <br>
unknowns. <br>
Enumerate possibilities of combinations of two variables.

 \& 

Find a rule - one step. <br>
Find a rule - two step. <br>
Use an algebraic rule. <br>
Substitution. <br>
Formulae. <br>
Word problems. <br>
Solve simple one step equations. <br>
Solve two step equations. <br>
Find pairs of values. <br>
Enumerate possibilities.
\end{tabular} <br>

\hline 7 \& Measurement Converting Units \& Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decímal notation to up to 3 dp . \& Metric measures. Convert metric measures. Calculate with metric measures. Miles and kilometres. Imperíal measures. <br>
\hline 8

9 \& \begin{tabular}{l}
Measurement <br>
Perímeter, <br>
Area and <br>
Volume

 \& 

Recognise that shapes with the same areas can have different perimeters and vice versa. <br>
Recognise when it is possible to use formulae for area and volume of shapes. <br>
Calculate the area of parallelograms and triangles. Calculate, estimate and compare volume of cubes and cuboids using standard units, including $\mathrm{cm} 3, \mathrm{m3}$ and extending to other units ( $\mathrm{mm} 3, \mathrm{~km} 3$ )

 \& 

Shapes - same area. <br>
Area and perimeter. <br>
Area of a triangle <br>
Area of a parallelogram. <br>
Volume - counting cubes. <br>
Volume of a cuboid
\end{tabular} <br>

\hline 10

11 \& \begin{tabular}{l}
Number: <br>
Ratio

 \& 

Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts. <br>
Solve problems involving similar shapes where the scale factor is known or can be found. <br>
Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.

 \& 

Use ratio language. <br>
Ratio and fractions. <br>
Introducing the ratio symbol. <br>
Calculating ratio. <br>
Using scale factors. <br>
Calculating scale factors. <br>
Ratio and proportion problems.
\end{tabular} <br>

\hline 12 \& \multicolumn{3}{|c|}{Additional weeks to be used as consolidation} <br>
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|c|}{Year 6 Summer Term} <br>
\hline Week \& Area \& National Curriculum Link \& Small Steps <br>
\hline 1

2 \& \begin{tabular}{l}
Geometry: <br>
Properties of Shape

 \& Draw 2-D shapes using given dimensions and angles. Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons. Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. \& 

Measure with a protractor. <br>
Introduce angles. <br>
Calculate angles. <br>
Vertically opposite angles. <br>
Angles in a triangle. <br>
Angles in a triangle - special cases. <br>
Angles in a triangle - missing angles. <br>
Angles in special quadrilaterals. <br>
Angles in regular polygons. <br>
Draw shapes accurately. <br>
Nets of 3D shapes.
\end{tabular} <br>

\hline 3
4 \& Problem Solving \& Revision and Assessment Period \& Revision and Assessment Period <br>
\hline 5 \& \& \& <br>
\hline 6

7 \& Statistics \& \begin{tabular}{l}
Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius. <br>
Interpret and construct pie charts and line graphs and use these to solve problems. <br>
Calculate the mean as an average.

 \& 

Read and interpret line graphs. Draw line graphs. <br>
Use line graphs to solve problems. Circles. <br>
Read and interpret pie charts. <br>
Pie charts with percentages. <br>
Draw pie charts. <br>
The mean.
\end{tabular} <br>

\hline 8 \& \& \& <br>
\hline 9
10 \& Investigations \& Investigations \& Investigations <br>
\hline 11 \& \& \& <br>
\hline 12 \& \multicolumn{3}{|c|}{Additional weeks to be used as consolidation} <br>
\hline
\end{tabular}

