Y4 Autumn Term							
Number and Place Value	**Addition and Subtraction**	**Multiplication and Division**	**Fractions (including decimals)**	**Measurement**	**Geometry: Properties of Shape**	**Geometry: Position and Direction**	**Statistics**
Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones). Find 1,000 more or less than a given number. Identify, represent and estimate numbers using different representations. Round any number to the nearest 10, 100 or 1,000.	Add and subtract mentally. Add and subtract numbers with up to 4 digits, including decimals, using the formal written methods of columnar addition and subtraction where appropriate. Estimate and use inverse operations to check answers to a calculation. Estimate answers to addition sums with up to four digits. Use inverse relationship to check for accuracy.	Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers. Recall Multiplication & division facts for times tables up to 12 × 12. Multiply and **divide** two-digit and three-digit numbers by a one-digit number using formal written layout.	Count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten. Recognise and show, using diagrams, families of common equivalent fractions. Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.	Convert between different units of measure - length. Estimate, compare and calculate different lengths. Measure and calculate the perimeter of a rectilinear figure (including squares) in cm and m **(express algebraically).** Find the area of rectilinear shapes by counting squares and using multiplication **(express algebraically).** Read, write & convert the times on analogue & digital 12 hour clocks.	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.		Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. (draw graphs so children understand where the data comes from and how it is represented)
2 weeks	**2 weeks**	**2 weeks**	**2 weeks**	**2-3 weeks**	**1 week**	**No coverage**	**1 week**

Y4 Spring Term							
Number and Place Value	**Addition and Subtraction**	**Multiplication and Division**	**Fractions (including decimals)**	**Measurement**	**Geometry: Properties of Shape**	**Geometry: Position and Direction**	**Statistics**
Order and compare numbers beyond 1,000. Solve number and practical problems that involve all of the above and with increasingly large positive numbers.	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why. Answer missing number addition and subtraction sums (**express algebraically**).	Recognise and use factor pairs and commutativity in mental calculations. Recall and use multiplication and division facts fro times tables up to 12 x 12. Multiply and divide numbers with up to 4 digits, including decimals, by 10 and 100. Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit.	Add and subtract fractions with the same denominator. Recognise and write decimal equivalents of any number of tenths or hundredths. Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths. Recognise and write decimal equivalents to $^1/_4$; $^1/_2$; $^3/_4$	Convert between different units of measure - mass. Estimate, compare and calculate different masses. Read, write and convert time between analogue and digital 12 and 24-hour clocks.	Identify acute and obtuse angles. Identify lines of symmetry in 2-D shapes presented in different orientations. Complete a simple symmetric figure with respect to a specific line of symmetry.		
1 week	**1 week**	**2 weeks**	**3 weeks**	**2 weeks**	**1 week**	**No coverage**	**No coverage**

Y4 Summer Term							
Number and Place Value	**Addition and Subtraction**	**Multiplication and Division**	**Fractions (including decimals)**	**Measurement**	**Geometry: Properties of Shape**	**Geometry: Position and Direction**	**Statistics**
Count in multiples of 6, 7, 9, 25 and 1,000. Count backwards through zero to include negative numbers. Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value. Solve number and practical problems that involve all of the above and with increasingly large positive numbers.	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why – including temperature problems.	Recall and use multiplication and division facts for times tables up to 12 x 12. Recognise and use square numbers and the notation for squared (^{2}). Solve problems involving integer scaling problems and harder correspondence problems such as n objects are connected to m objects.	Compare numbers with the same number of decimal places up to two decimal places. Round decimals with one decimal place to the nearest whole number. Solve simple measure and money problems involving fractions and decimals to two decimal places.	Convert between different units of measure - capacity. Estimate, compare and calculate different capacities. Estimate, compare and calculate money in £ and pence. Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days (timetables, calendars, journeys etc) – links to statistics.	Compare and order angles up to two right angles by size. Solve problems involving angles.	Describe positions on a 2D grid as coordinates in the first quadrant. Plot specified points and draw sides to complete a given polygon. Describe movements between positions as translations of a given unit to the left/right and up/down.	Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs – links to measures.
1 week	**1 week**	**1 week**	**3 weeks**	**3 weeks**	**1-2 weeks**	**1 week**	**1 week**