

Term overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Term X	Number	Addition and subtraction	Addition and subtraction	Multiplication and division	Multiplication and division	Discrete

To be taught continuously throughout all topics:

- Rounding and estimating
- Checking work by working backwards
- Times tables
- Problem solving (stretch its)
- Y3: Roman numerals up to 12, time vocabulary e.g. number of seconds, hours, days, weeks etc.
- Y4: Roman numerals up to C, time vocabulary e.g. number of seconds, hours, days, weeks etc.

Y3 Term	Number	Addition and Subtraction	Multiplication and division	Discrete
1	<ul style="list-style-type: none"> Recognise coins Understand what a unit and non-unit fraction is ($\frac{1}{2}$ $\frac{1}{4}$ $\frac{3}{4}$) Recognise and write unit and non-unit fractions of objects (including diagrams) Place numbers up to 1000 on a number line including fractions 	Informal methods (mental) <ul style="list-style-type: none"> Add and subtract 3 digit numbers and 2 digit numbers (including money- pence) Create pictograms Understand pictograms 	<ul style="list-style-type: none"> Use known facts to derive multiplication and division facts e.g. inverse 3×3 30×3 300×3 Identify the correct operation in a mathematical statement 	<ul style="list-style-type: none"> Identify and describe common 2D and 3D shapes with mathematical vocabulary (including lines of symmetry)
2	<ul style="list-style-type: none"> Compare numbers $< > =$ Compare a set of unit fraction with the same denominator Sequence numbers including fractions ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$) 	Informal methods (mental) <ul style="list-style-type: none"> Add and subtract 3 digit by 3 digit numbers (including money) Add mass on scales (reading scales, digital and mechanical) 	<ul style="list-style-type: none"> Know the multiples of 3, 4, 8, 50 Count in $\frac{1}{10}$ and decimal 0.1 Recognise that $\frac{1}{10}$ arises from dividing a number or object into 10 equal parts 	<ul style="list-style-type: none"> Recognising angles (right, obtuse and acute) Recognise angles within a shape Explore angles and turning e.g. $\frac{1}{4}$ turn, $\frac{1}{2}$ turn, $\frac{3}{4}$ turn. Clockwise, anti-clockwise
3	<ul style="list-style-type: none"> Understand unit fraction and non-unit fractions ($\frac{1}{3}$) Interpret and use scales with numbers up to 1000 (including fractions learnt) 	Formal written method <ul style="list-style-type: none"> Column method for addition and subtraction- 3 digit with 2 digit inc. money (no exchanging) Understanding bar charts e.g. How many...involving addition and subtraction 	Informal method <ul style="list-style-type: none"> Multiply a 2 digit number by a 1 digit using arrays or grid method 	<ul style="list-style-type: none"> Sketch common 2D shapes Recognise parallel and perpendicular lines Make 3D shapes Measure to the nearest mm (cm)
4	<ul style="list-style-type: none"> Compare time (more than, less than) 	Formal written method <ul style="list-style-type: none"> Column addition and subtraction for 3 digit and 3 digit numbers inc. money (exchanging) Comparing volume of 2 or more objects (capacity) 	<ul style="list-style-type: none"> Understand and recognise equivalent fractions Complete and create diagrams for equivalent fractions 	<ul style="list-style-type: none"> Find perimeter of 2D shape by measuring Measure to nearest mm (cm)
5	<ul style="list-style-type: none"> Use a number line to calculate time taken by a particular event or task 	<ul style="list-style-type: none"> Missing box problems Add and subtract fractions with the same denominator 	<ul style="list-style-type: none"> Scaling (e.g. recipes) Use measuring vessels to measure volume of liquid 	<ul style="list-style-type: none"> Measure to the nearest m Compare length of 2 or more objects
6	<ul style="list-style-type: none"> Combined phase extra revision 	<ul style="list-style-type: none"> Interpreting data within a table Answer one and two step questions about charts and tables. 	<ul style="list-style-type: none"> Identify correct operation required in order to solve a problem Create statements to solve 	<ul style="list-style-type: none"> Combined phase extra revision

Y4 Term	Number	Addition and Subtraction	Multiplication and division	Discrete
1	<ul style="list-style-type: none"> Order, write and read numbers up to and including 4 digits on a number line Recognise $\frac{1}{100}$ arises from dividing a number or object into 100 equal parts 	Formal written method <ul style="list-style-type: none"> Use columnar addition and subtraction for 4 digits and 2 digits inc. money (no exchanging) Interpret pictograms where a symbol represents multiple items What is 1000 more, 1000 less 	<ul style="list-style-type: none"> Factor pairs Count up in $\frac{1}{100}$ and down in $\frac{1}{100}$ Multiply and divide 2 digit and 1 digit mentally (Partitioning) 	<ul style="list-style-type: none"> Identify, describe and classify types of triangles and quadrilaterals Identify lines of symmetry
2	<ul style="list-style-type: none"> Sequence and order fractions and decimals for 1 and 2 digit places (money) Know and use decimals equivalents for $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ Count backwards through 0 	Formal written method <ul style="list-style-type: none"> Use columnar addition and subtraction for 4 digits and 2 digits inc. money (exchanging) Write decimal equivalents of any number of $\frac{1}{10}$ $\frac{1}{100} = 10\text{p}$ 1p Solve problems involving decimal notation to record money Add and subtract mass (convert between g and kg) 	<ul style="list-style-type: none"> Know multiples of 6, 7, 9, 11, 12, 25, 1000, 50 Multiply 3 numbers together Divide 1 digit by 10, 100 Divide 2 digits by 10, 100 	<ul style="list-style-type: none"> Recognise and identify acute, obtuse and right angles Compare angles $<$ $>$ $=$ Order angles up to 180 degrees
3	<ul style="list-style-type: none"> Use and interpret scales with measurements up to 10,000 Convert 12 hour to 24 hour clock Convert 12 and 24 hour digital to analogue Interpret and create a time graph 	Formal written method <ul style="list-style-type: none"> Use columnar addition and subtraction for 4 digits and 3 digits (exchanging) Interpret and create bar charts with different scales on the frequency axis e.g. how many more, how many less 	Formal written method <ul style="list-style-type: none"> Short multiplication for 2 digit by a 1 digit Identify equivalent fractions Find families of equivalent fractions (show in diagram) 	<ul style="list-style-type: none"> Identify a line of symmetry in a pattern Use a line of symmetry to produce and complete a pattern Describe movements between positions as translations (up, down, left, right)
4	<ul style="list-style-type: none"> Solve problems involving and converting from hours to minutes and minutes to seconds 	Formal written method <ul style="list-style-type: none"> Use columnar addition and subtraction with 4 digits and 4 digits (exchanging) Add and subtraction volume/capacity (convert between l and ml) 	Formal written method <ul style="list-style-type: none"> Short multiplication for 3 digit by 1 digit Find the area of rectangles by counting squares 	<ul style="list-style-type: none"> Measure and calculate perimeter of 2D shapes when dimensions are unknown Convert between mm and cm, km and m
5	<ul style="list-style-type: none"> Solve problems converting weeks to days and years to months 	<ul style="list-style-type: none"> Solve money and measurement problems involving decimals to two decimal places Add unit and non-unit fractions with the same denominator beyond a whole and equal to a whole. 	<ul style="list-style-type: none"> Identify when scaling can be solved with multiplication and division 	<ul style="list-style-type: none"> Use co-ordinates to describe the position of a point in the first quadrant. Plot points in the first quadrant using co ordinates
6	<ul style="list-style-type: none"> Combined phase extra revision 	<ul style="list-style-type: none"> Solve problems involving data in charts, graphs and tables 	<ul style="list-style-type: none"> Combined phase extra revision 	<ul style="list-style-type: none"> Combine phase extra revision