



Medium-term planning Autumn 2

YEAR 4

W	Topic	Curriculum objective
1	Mental and written addition and subtraction	<ul style="list-style-type: none"> To add and subtract numbers with up to four digits using the efficient written methods of columnar addition and subtraction where appropriate. To estimate and use inverse operations to check answers to a calculation. To solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
2	Multiplication	<ul style="list-style-type: none"> To recall multiplication facts for multiplication tables up to 12×12. To 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. To recognise and use factor pairs and commutativity in mental calculations. To multiply two-digit and three-digit numbers by a one-digit number using formal written layout. To solve problems involving multiplying and adding, including using the distributive law and harder multiplication problems such as which n objects are connected to m objects.
3	Multiplication and division	<ul style="list-style-type: none"> To recall multiplication facts for multiplication tables up to 12×12. To 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. To solve problems involving multiplying and adding, including using the distributive law and harder multiplication problems such as which n objects are connected to m objects.
4	Fractions	<ul style="list-style-type: none"> To count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten. To 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. To recognise and show, using diagrams, families of common equivalent fractions.
5	Geometry	<ul style="list-style-type: none"> To describe positions on a 2D grid as coordinates in the first quadrant. To plot specified points and draw sides to complete a given polygon. To compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. To identify acute and obtuse angles and compare and order angles up to two right angles by size.
6	Data handling and time	<ul style="list-style-type: none"> To read, write and convert time between analogue and digital 12- and 24-hour clocks. To solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days. To interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. To solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and simple line graphs.
Assess and review		<ul style="list-style-type: none"> To assess the half-term's work.