



Autumn 1					
Week	Session	Objective	Strand		
Week 1	1	Address gaps from <b>Year 4</b> Summer Arithmetic assessment QLA			
	2				
Week 2	1				
	2				
Week 3	1				
	2				
Week 4	1			<b>4NPVa:</b> Recognise the place value of each digit in a 4-digit number (1,000s, 100s, 10s and 1s)	Place value
	2			<b>5NPVa:</b> Apply knowledge of partitioning with numbers up to 1,000,000	Place value
Week 5	1			<b>4NPVb:</b> Add multiples of 1, 10, 100 and 1,000 to a 4-digit number	Place value
	2			<b>4ASa:</b> Add numbers with up to four digits using the formal method of column addition	Addition and subtraction
Week 6	1			<b>4ASb:</b> Solve addition missing number problems (up to 10,000 – with and without regrouping)	Addition and subtraction
	2			<b>5NPVb:</b> Add multiples of 1, 10, 100, 1,000, 10,000 and 100,000 to a number up to 1,000,000	Place value

Autumn 2			
Week	Session	Objective	Strand
Week 1	1	Address gaps from <b>Autumn 1</b> Arithmetic assessment QLA	
	2		
Week 2	1	<b>5ASa:</b> Add numbers with more than four digits using the formal method of column addition	Addition and subtraction
	2	<b>5ASb:</b> Solve addition missing number problems (up to 1,000,000 – with and without regrouping)	Addition and subtraction
Week 3	1	<b>4NPVc:</b> Subtract multiples of 1, 10, 100 and 1,000 from a 4-digit number	Place value
	2	<b>4ASc:</b> Subtract numbers with up to four digits using the formal method of column subtraction	Addition and subtraction
Week 4	1	<b>4ASd:</b> Solve subtraction missing number problems (up to 10,000 – with and without regrouping)	Addition and subtraction
	2	<b>5NPVc:</b> Subtract multiples of 1, 10, 100, 1,000, 10,000 and 100,000 from a number up to 1,000,000	Place value
Week 5	1	<b>5ASc:</b> Subtract numbers with more than four digits using the formal method of column subtraction	Addition and subtraction
	2	<b>5ASd:</b> Solve subtraction missing number problems (up to 1,000,000 – with and without regrouping)	Addition and subtraction
Week 6	1	<b>Consolidation</b>	
	2		



Spring 1			
Week	Session	Objective	Strand
Week 1	1	Address gaps from <b>Autumn 2</b> Arithmetic assessment QLA	
	2		
Week 2	1	<b>4MDb:</b> Use place value, known and derived facts to multiply mentally (e.g. $4000 \times 5$ )	Multiplication and division
	2	<b>4MDc:</b> Multiply a number by 0 and 1	Multiplication and division
Week 3	1	<b>4MDd:</b> Multiply 2- and 3-digit numbers by a 1-digit number using a formal written layout	Multiplication and division
	2	<b>4MDe:</b> Multiply together three numbers	Multiplication and division
Week 4	1	<b>4MDh:</b> Multiply 1-, 2- or 3-digit whole numbers by 10 and 100	Multiplication and division
	2	<b>5MDa:</b> Multiply numbers with up to four digits by a 1- or 2-digit number	Multiplication and division
Week 5	1	<b>5MDb:</b> Use place value to multiply multiples of 10 by further multiples of 10 drawing upon known facts (e.g. $30 \times 400$ )	Multiplication and division
	2	<b>5MDc:</b> Solve problems involving square and cube numbers	Multiplication and division

Spring 2			
Week	Session	Objective	Strand
Week 1	1	Address gaps from <b>Spring 1</b> Arithmetic assessment QLA	
	2		
Week 2	1	<b>4MDg:</b> Use place value, known and derived facts to divide mentally (e.g. $1400 \div 7$ )	Multiplication and division
	2	<b>4MDj:</b> Use the inverse operation to solve missing number multiplication and division problems (6, 7, 9, 11 and 12)	Multiplication and division
Week 3	1	<b>4MDk:</b> Divide a number by 1 and itself	Multiplication and division
	2	<b>4MDi:</b> Divide a 2-, 3- or 4-digit number by 10 and 100	Multiplication and division
Week 4	1	<b>5MDd:</b> Divide numbers up to four digits by a 1-digit number using a formal written method (recording a remainder where required)	Multiplication and division
	2	<b>5MDe:</b> Use place value to divide multiples of 10 by further multiples of 10 drawing upon known facts (e.g. $3200 \div 40$ )	Multiplication and division
Week 5	1	<b>4Fb/4Fc:</b> Add and subtract fractions with the same denominator	Fractions
	2	<b>4Fa:</b> Find fractions of quantities (up to 100) for all denominators using known multiplication facts	Fractions
Week 6	1	<b>Consolidation</b>	
	2		



Summer 1			
Week	Session	Objective	Strand
Week 1	1	Address gaps from <b>Spring 2</b> Arithmetic assessment QLA	
	2		
Week 2	1	<b>5Fa:</b> Find fractions of all quantities using formal calculation strategies or deriving known facts	Fractions
	2	<b>5Fb:</b> Solve fraction missing number problems using knowledge of fractions, inverse operations and formal calculation strategies	Fractions
Week 3	1	<b>5Fc:</b> Find 10% of a number (where the answer is a whole number)	Percentages
	2	<b>5Fd:</b> Find a multiple of 10% of a number (involving only whole numbers)	Percentages
Week 4	1	<b>5Fe:</b> Find 5% of a number (involving only whole numbers)	Percentages
	2	<b>5Ff:</b> Adding and subtracting tenths and hundredths	Decimals
Week 5	1	<b>5Fg:</b> Add decimals with up to three decimal places	Decimals
	2	<b>5Fh:</b> Subtract decimals with up to three decimal places	Decimals
Week 6	1	<b>5Fi:</b> Add and subtract a whole number and decimals with up to three decimal places	Decimals
	2	<b>5Fj:</b> Add fractions where there are different denominators and one denominator is a multiple of the other	Fractions

Summer 2			
Week	Session	Objective	Strand
Week 1	1	Address gaps from <b>Summer 1</b> Arithmetic assessment QLA	
	2		
Week 2	1	<b>5Fk:</b> Subtract fractions where there are different denominators, and one denominator is a multiple of the other	Fractions
	2	<b>5Fl:</b> Multiply proper fractions by whole numbers	Fractions
Week 3	1	<b>5Fm:</b> Multiply mixed numbers by whole numbers	Fractions
	2	<b>5MDm:</b> Multiply whole numbers by 10, 100 and 1,000	Multiplication and division
Week 4	1	<b>5MDf:</b> Divide whole numbers by 10, 100 and 1,000	Multiplication and division
	2	<b>5Fn:</b> Multiply and divide simple decimals by 10, 100 and 1,000 (e.g. $0.6 \times 100$ )	Decimals
Week 5	1	<b>5Fo:</b> Multiply decimal numbers by 10, 100 and 1,000 (e.g. $0.62 \times 100$ )	Decimals
	2	<b>5Fp:</b> Divide decimal numbers by 10, 100 and 1,000 (e.g. $0.62 \div 100$ )	Decimals
Week 6	1	<b>5Fq:</b> Deriving decimals from known multiplication table facts (e.g. $3 \times 0.4$ )	Decimals
	2	<b>5Fr:</b> Find 10% of a number (where the answer is a decimal)	Decimals



Autumn 1			
Week	Session	Objective	Strand
Week 1	1	Address gaps from <b>Year 5</b> Summer Arithmetic assessment	
	2		
Week 2	1	<b>5NPVa:</b> Apply knowledge of partitioning with numbers up to 1,000,000	Place value
	2	<b>6NPVa:</b> Apply knowledge of partitioning with numbers up to 10,000,000 and/or with decimals	Place value
Week 3	1	<b>5NPVb:</b> Add multiples of 1, 10, 100, 1,000, 10,000 and 100,000 to a number up to 1,000,000	Addition and subtraction
	2	<b>5ASa:</b> Add numbers with more than four digits using the formal method of column addition (and/or with decimals)	Addition and subtraction
Week 4	1	<b>5ASb:</b> Solve addition missing number problems (up to 1,000,000 – with and without regrouping)	Addition and subtraction
	2	<b>5NPVc:</b> Subtract multiples of 1, 10, 100, 1,000, 10,000 and 100,000 from a number up to 1,000,000	Addition and subtraction
Week 5	1	<b>5ASc:</b> Subtract numbers with more than four digits using the formal method of column subtraction (and/or with decimals)	Addition and subtraction
	2	<b>5ASd:</b> Solve subtraction missing number problems (up to 1,000,000 – with and without regrouping)	Addition and subtraction
Week 6	1	<b>5MDb:</b> Use place value to multiply multiples of 10 by further multiples of 10 drawing upon known facts (e.g. $30 \times 400$ ) and/or with decimals	Multiplication and division
	2	<b>5MDc:</b> Solve problems involving square and cube numbers	Multiplication and division



Autumn 2			
Week	Session	Objective	Strand
Week 1	1	<b>6NPVb:</b> Add and subtract using negative numbers through zero	Place value
	2	<b>5Fj:</b> Add fractions where there are different denominators, and one denominator is a multiple of the other	Fractions
Week 2	1	<b>5Fk:</b> Subtract fractions where there are different denominators, and one denominator is a multiple of the other	Fractions
	2	<b>5Fa:</b> Find fractions of all quantities using formal calculation strategies or deriving known facts	Fractions
Week 3	1	<b>5Fb:</b> Solve fraction missing number problems using knowledge of fractions, inverse operations and formal calculation strategies	Fractions
	2	<b>5Fo:</b> Multiply decimal numbers by 10, 100 and 1,000	Multiplication and division
Week 4	1	<b>5MDe:</b> Use place value to divide multiples of 10 by further multiples of 10 drawing upon known facts (e.g. $3200 \div 40$ ) and/or with decimals	Multiplication and division
	2	<b>6MDa:</b> Identify the value of each digit to three decimal places and divide numbers by 10, 100 and 1,000 giving answers up to three decimal places	Multiplication and division
Week 5	1	<b>6MDb:</b> Multiply a tenths or hundredths number that is less than 1 by a multiple of 10 or 100 (e.g. $0.4 \times 60$ ) – mental strategy	Multiplication and division
	2	<b>6MDc:</b> Multiply numbers with up to four digits by a 2-digit number using the formal method of long multiplication	Multiplication and division
Week 6	1	<b>6MDd:</b> Multiply a number with up to two decimal places by a 1-digit whole number (e.g. $3.2 \times 6$ , $1.54 \times 8$ )	Multiplication and division
	2	<b>6MDe:</b> Multiply a number with up to two decimal places by a 2-digit whole number (e.g. $3.2 \times 12$ , $0.4 \times 37$ )	Multiplication and division



Spring 1			
Week	Session	Objective	Strand
Week 1	1	Address gaps from <b>Autumn Term</b> Arithmetic assessment QLA	
	2		
Week 2	1	<b>5MDd:</b> Divide numbers up to four digits by a 1-digit number using a formal written method (recording a remainder where required)	Multiplication and division
	2	<b>6MDf:</b> Divide numbers up to four digits by a 2-digit number using the formal written method of long division (where there may be a remainder)	Multiplication and division
Week 3	1	<b>6MDg:</b> Divide numbers up to four digits by a 2-digit number using the formal written method of short division (where there may be a decimal)	Multiplication and division
	2	<b>6MDh:</b> Divide numbers up to four digits by a 1-digit number using the formal written method of long division (where there may be a decimal)	Multiplication and division
Week 4	1	<b>6ASMD</b> Carry out calculations involving the four operations using knowledge of the order of operations	Four operations
	2	<b>6Fa:</b> Add and subtract fractions with different denominators (using two or three fractions)	Fractions
Week 5	1	<b>6Fb:</b> Add and subtract a mixed number to or from a fraction, where the denominators are the same and different	Fractions
	2	<b>6Fc:</b> Add and subtract two mixed numbers, where the denominators are the same and different	Fractions



Spring 2			
Week	Session	Objective	Strand
Week 1	1	<b>6Fd:</b> Add whole numbers and fractions including missing number problems (e.g. $1 - ? = 4/10$ )	Fractions
	2	<b>5Fi:</b> Multiply proper fractions by whole numbers	Fractions
Week 2	1	<b>5Fm:</b> Multiply mixed numbers by whole numbers	Fractions
	2	<b>6Fe:</b> Multiply pairs of proper fractions	Fractions
Week 3	1	<b>6Ff:</b> Divide proper fractions by whole numbers	Fractions
	2	<b>5Fc:</b> Find 10% of a number (where the answer is a whole number)	Percentages
Week 4	1	<b>5Fd:</b> Find a multiple of 10% of a number (involving only whole numbers)	Percentages
	2	<b>5Fr:</b> Find 10% of a number (where the answer is a decimal)	Percentages
Week 5	1	<b>6RPa:</b> Find a multiple of 10% of a number (including decimal numbers) e.g. 20% and 50%	Percentages
	2	<b>6RPb:</b> Find 5% of a number (involving whole numbers and decimals)	Percentages
Wee 6	1	<b>6RPC:</b> Find 1% of a number (involving whole number and decimals)	Percentages
	2	<b>6RPd:</b> Apply all percentage knowledge to find a multiple of 1% of a number	Percentages