SHOBNALL PRIMARY & NURSERY SCHOOL

MATHEMATICS PROGRAMME OF STUDY

YEAR 4 LONG TERM OVERVIEW

YEAR FOUR MATHEMATICS LONG TERM OVERVIEW

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

Week	Unit	Lesson titles	Domain	National Curriculum Pupils should be taught to:
1	***Unit 1- Place value – 4-digit numbers (1)***	Lesson 1 – Represent and partition numbers to 1,000	Number- Number and place value	• Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).
		Lesson 2 – Number line to 1,000	Number- Number and place value	• Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).
		Lesson 3 – Multiples of 1,000	Number- Number and place value	• Count in multiples of 6, 7, 9, 25 and 1,000.
		Lesson 4 – 4-digit numbers	Number- Number and place value	• Identify, represent and estimate numbers using different representations.
		Lesson 5 – Partition 4-didigt numbers	Number- Number and place value	• Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).
2		Lesson 6 – Partition 4 -digit numbers flexibly	Number- Number and place value	• Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).
		Lesson 7 – 1, 10, 100, 1000 more or less	Number- Number and place value	• Find 1,000 more or less than a given number.
		Lesson 8 – 1,000s, 100, 10s, and 1s	Number- Number and place value	• Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).
	End of Unit Check			
	Unit 2 - Place value – 4-digit numbers (2)	Lesson 1 – Number lines to 10,000	Number- Number and place value Number – Addition and subtraction	• Identify, represent and estimate numbers using different representations.
3		Lesson 2 – Between two multiples	Number- Number and place value	• Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).
		Lesson 3 – Estimate on a number line to 10,000	Number- Number and place value	• Order and compare numbers beyond 1,000.
		Lesson 4 – Compare and order numbers to 10,000	Number- Number and place value	• Order and compare numbers beyond 1,000.
		Lesson 5 – Round to the nearest 1,000	Number- Number and place value	• Round any number to the nearest 10, 100 or 1,000.

YEAR FOUR MATHEMATICS LONG TERM OVERVIEW

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

		Lesson 6 – Round to the nearest 100	Number- Number and place value	• Round any number to the nearest 10, 100 or 1,000.
4		Lesson 7 – Round to the nearest 10	Number- Number and place value	• Round any number to the nearest 10, 100 or 1,000.
		Lesson 8 – Round to the nearest 1,000, 100 or 10	Number- Number and place value	• Round any number to the nearest 10, 100 or 1,000.
	End of Unit Check			
	Unit 3 – Addition and subtraction	Lesson 1- Adding and subtracting 1s, 10s, 100s and 1000s	Number – Addition and subtraction	• Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.
		Lesson 2 – Add two 4-digit numbers	Number – Addition and subtraction	• Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.
5		Lesson 3 – Add two 4-digit numbers – one exchange	Number – Addition and subtraction	• Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.
		Lesson 4 – Add with one more than one exchange	Number – Addition and subtraction	• Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.
		Lesson 5 – Subtract two 4-digit numbers	Number – Addition and subtraction	• Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.
		Lesson 6 – Subtract two 4-digit numbers – one exchange	Number – Addition and subtraction	• Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.
		Lesson 7 – Subtract two 4-digit numbers – more than one exchange	Number – Addition and subtraction	• Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.
6		Lesson 8 – Exchange across two columns	Number – Addition and subtraction	• Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.
		Lesson 9 – Efficient methods	Number- Number and place value Number – Addition and subtraction	• Estimate and use inverse operations to check answers to a calculation.
		Lesson 10 – Equivalent differences	Number- Number and place value	• Estimate and use inverse operations to check answers to a calculation.

YEAR FOUR MATHEMATICS LONG TERM OVERVIEW

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

			Number – Addition and subtraction	
		Lesson 11 – Estimate answers	Number – Addition and subtraction	• Estimate and use inverse operations to check answers to a calculation.
		Lesson 12 – Check strategies	Number – Addition and subtraction	• Estimate and use inverse operations to check answers to a calculation.
7		Lesson 13 – Problem solving – one step	Number – Addition and subtraction	• Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
		Lesson 14 – Problem solving – comparison	Number – Addition and subtraction	• Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
		Lesson 15 – Problem solving – two steps	Number – Addition and subtraction	• Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
		Lesson 16 – Problem solving – multi-step problems	Number – Addition and subtraction	• Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
	End of Unit Check			
8	***Unit 4- Measure-area***	Lesson 1 – What is area?	Measurement	• Find the area of rectilinear shapes by counting squares.
		Lesson 2 – Measure area using squares	Measurement	• Find the area of rectilinear shapes by counting squares.
		Lesson 3 – Counting squares	Measurement	• Find the area of rectilinear shapes by counting squares.
		Lesson 4 – Make shapes	Measurement	• Find the area of rectilinear shapes by counting squares.
		Lesson 5 – Compare area	Measurement	• Estimate, compare and calculate different measures, including money in pounds and pence.
9	***Unit 5 – Multiplication and division (1)***	Lesson 1 – Multiples of 3	Number- Multiplication and division	• Recall multiplication and division facts for multiplication tables up to 12 × 12.
		Lesson 2 – Multiply and divide by 6	Number- Multiplication and division	• Recall multiplication and division facts for multiplication tables up to 12 × 12.

YEAR FOUR MATHEMATICS LONG TERM OVERVIEW

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

		Lesson 3 – 6 times-table and division facts	Number- Multiplication and division	• Recall multiplication and division facts for multiplication tables up to 12 × 12.
		Lesson 4 – Multiply and divide by 9	Number- Multiplication and division	• Recall multiplication and division facts for multiplication tables up to 12 × 12.
		Lesson 5 – 9 times-table and division facts	Number- Multiplication and division	• Recall multiplication and division facts for multiplication tables up to 12 × 12.
10		Lesson 6 – The 3,6 and 9 times-tables	Number- Multiplication and division	• Recall multiplication and division facts for multiplication tables up to 12 × 12.
		Lesson 7 – Multiplying and dividing by 7	Number- Multiplication and division	• Recall multiplication and division facts for multiplication tables up to 12 × 12.
		Lesson 8 – 7 times-table and division facts	Number- Multiplication and division	• Recall multiplication and division facts for multiplication tables up to 12 × 12.
		Lesson 9 – 11 and 12 times-table and division facts	Number- Multiplication and division	• Recall multiplication and division facts for multiplication tables up to 12 × 12.
		Lesson 10 – Multiply by 1 and 0	Number- Multiplication and division	• 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.
11		Lesson 11 – Divide by 1 and itself	Number- Multiplication and division	• 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.
		Lesson 12 – Multiply three number	Number- Multiplication and division	• 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.
	End of Unit Check			
	Consolidation			
	Consolidation			
	Consolidation			

YEAR FOUR MATHEMATICS LONG TERM OVERVIEW

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

12	**Consolidation**			
	Consolidation			
	Consolidation			
	Consolidation			
1	***Unit 6 – Multiplication and division (2)***	Lesson 1 – Factor pairs	Number- Multiplication and division	• Recognise and use factor pairs and commutativity in mental calculations.
		Lesson 2 – Multiply and divide by 10	Number- Multiplication and division	• Recall multiplication and division facts for multiplication tables up to 12 × 12.
		Lesson 3 – Multiply and divide by 100	Number- Multiplication and division	• Recall multiplication and division facts for multiplication tables up to 12 × 12.
		Lesson 4 – Related facts - multiplication	Number- Multiplication and division	• Recall multiplication and division facts for multiplication tables up to 12 × 12.
		Lesson 5 – Related facts - division	Number- Multiplication and division	• Recall multiplication and division facts for multiplication tables up to 12 × 12.
2		Lesson 6 - Multiply and add	Number- Multiplication and division	• Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.
		Lesson 7 – Informal written methods	Number- Multiplication and division	• Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.
		Lesson 8 – Multiply 2-digits by 1-digit	Number- Multiplication and division	• Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.
		Lesson 9 – Multiply 3-digitsby 1-digit	Number- Multiplication and division	• Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.

YEAR FOUR MATHEMATICS LONG TERM OVERVIEW

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

		Lesson 10 – Solve multiplication problems	Number- Multiplication and division	• Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.
3		Lesson 11 – Basic division	Number- Multiplication and division	• Recognise and use factor pairs and commutativity in mental calculations.
		Lesson 12 – Division and remainders	Number- Multiplication and division	• Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.
		Lesson 13 – Divide 2-digit numbers	Number- Multiplication and division	• 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.
		Lesson 14 – Divide 3-digit numbers	Number- Multiplication and division	• 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.
		Lesson 15 – Correspondence problems	Number- Multiplication and division	• Recognise and use factor pairs and commutativity in mental calculations.
4		Lesson 16 - Efficient multiplication	Number- Multiplication and division	• Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.
	End of Unit Check			
	Unit 7 – Length and perimeter	Lesson 1 – Measure in km and m	Measurement	• Convert between different units of measure.
		Lesson 2 – Perimeter on a grid	Measurement	• Measure and calculate the perimeter of rectilinear figure (including squares) in centimetres and metres.
		Lesson 3 – Perimeter of a rectangle	Measurement	• Measure and calculate the perimeter of rectilinear figure (including squares) in centimetres and metres.
5		Lesson 4 – Perimeter of a rectilinear shapes	Measurement	• Measure and calculate the perimeter of rectilinear figure (including squares) in centimetres and metres.
		Lesson 5 – Find missing lengths in rectilinear shapes	Measurement	• Measure and calculate the perimeter of rectilinear figure (including squares) in centimetres and metres.

YEAR FOUR MATHEMATICS LONG TERM OVERVIEW

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

		Lesson 6 – Perimeter of regular polygons	Measurement	• Measure and calculate the perimeter of rectilinear figure (including squares) in centimetres and metres.
	End of Unit Check			
6	***Unit 8 – Fractions (1)***	Lesson 1 – Count beyond 1	Number- Fractions	• Non-statutory guidance: They practise counting using simple fractions and decimals, both forward and backwards.
		Lesson 2 – partition a mixed number	Number- Fractions	• Ready to progress criteria (4F–1): Reason about the location of mixed numbers in the linear number system.
		Lesson 3 – Number lines with mixed numbers	Number- Fractions	• Ready to progress criteria (4F–1): Reason about the location of mixed numbers in the linear number system.
		Lesson 4 – Compare and order mixed numbers	Number- Fractions	• Ready to progress criteria (4F–1): Reason about the location of mixed numbers in the linear number system.
		Lesson 5 – Convert mixed numbers to improper fractions	Number- Fractions	• Ready to progress criteria (4F–2): convert mixed number to improper fractions and vice versa.
		Lesson 6 – Convert improper fractions to mixed number	Number- Fractions	• Ready to progress criteria (4F–2): convert mixed number to improper fractions and vice versa
7		Lesson 7 -Equivalent fractions	Number- Fractions	• Recognise and show, using diagrams, families of common equivalent fractions.
		Lesson 8 – Equivalent fraction families	Number- Fractions	• Recognise and show, using diagrams, families of common equivalent fractions.
		Lesson 9 – Simplifying fractions	Number- Fractions	• Recognise and show, using diagrams, families of common equivalent fractions.
	End of Unit Check			
8	***Unit 9 – Fractions (2)***	Lesson 1 – Add and subtract two or more fractions	Number- Fractions	• Add and subtract fractions with the same denominator.
		Lesson 2 – Add fractions and mixed numbers	Number- Fractions	• Add and subtract fractions with the same denominator.

YEAR FOUR MATHEMATICS LONG TERM OVERVIEW

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

		Lesson 3 – Subtract from mixed numbers	Number- Fractions	• Add and subtract fractions with the same denominator.
		Lesson 4 -Subtract from whole amounts	Number- Fractions	• Add and subtract fractions with the same denominator.
		Lesson 5 – Problem solving – add and subtract fractions (1)	Number- 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.
		Lesson 6 – Problem solving – add and subtract fractions (2)	Number- 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.
9		Lesson 7 – Fractions of an amount	Number- Fractions	• Non-statutory lesson.
		Lesson 8 -Problem solving – Fractions of an amount	Number- 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.
	End of Unit Check			
	Unit 10 – Decimals (1)	Lesson 1 – Tenths as fractions	Number- Fractions (including decimals)	• Recognise and write decimal equivalents of any number of tenths or hundredths.
		Lesson 2 – Tenths as decimals	Number- Fractions (including decimals)	• Recognise and write decimal equivalents of any number of tenths or hundredths.
10		Lesson 3 – Tenths on a place value grid	Number- Fractions (including decimals)	• Recognise and write decimal equivalents of any number of tenths or hundredths.
		Lesson 4 – Tenths on a number line (1)	Number- Fractions (including decimals)	• Recognise and write decimal equivalents of any number of tenths or hundredths.
		Lesson 5 – Tenths on a number line (2)	Number- Fractions (including decimals)	• Recognise and write decimal equivalents of any number of tenths or hundredths.
		Lesson 6 – Divide 1-digit by 10	Number- Fractions (including decimals)	• 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.
		Lesson 7 – Divide 2-digits by 10	Number- Fractions (including decimals)	• 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.
11		Lesson 8 – Hundredths as fractions	Number- Fractions (including decimals)	• Recognise and write decimal equivalents of any number of tenths or hundredths.
		Lesson 9 – Hundredths as a decimal	Number- Fractions (including decimals)	• Recognise and write decimal equivalents of any number of tenths or hundredths.

YEAR FOUR MATHEMATICS LONG TERM OVERVIEW

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

		Lesson 10 – Hundredths on a place value grid	Number- Fractions (including decimals)	• Recognise and write decimal equivalents of any number of tenths or hundredths.
		Lesson 11 – Divide 1 or 2-digits by 100	Number- Fractions (including decimals)	• 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.
		Lesson 12 – Dividing by 10 and 100	Number- Fractions (including decimals)	• 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.
12	**End of Unit Check**			
	Consolidation			
	Consolidation			
	Consolidation			
	Consolidation			
1	***Unit 11 – Decimals (2)***	Lesson 1 – Make a whole	Number- Fractions (including decimals)	• Recognise and write decimal equivalents of any number of tenths or hundredths.
		Lesson 2 – Partitioning decimals	Number- Fractions (including decimals)	• Recognise and write decimal equivalents of any number of tenths or hundredths.
		Lesson 3 – Flexible partitioning	Number- Fractions (including decimals)	• Recognise and write decimal equivalents of any number of tenths or hundredths.
		Lesson 4 – Compare decimals	Number- Fractions (including decimals)	• Compare numbers with the same number of decimal places up to two decimal places
		Lesson 5 – Order decimals	Number- Fractions (including decimals)	• Compare numbers with the same number of decimal places up to two decimal places
2		Lesson 6 – Round to the nearest whole	Number- Fractions (including decimals)	• Round decimals with one decimal place to the nearest whole number.
		Lesson 7 – Halves and quarters as decimals	Number- Fractions (including decimals)	• Recognise and write decimal equivalents to 1/4, 1/2 and 3/4 .
	End of Unit Check			
	Unit 12 – Money	Lesson 1 – Write money using decimals	Measurement	• Estimate, compare and calculate different measures, including money in pounds and pence.
		Lesson 2 – Convert between pounds and pence	Measurement	• Estimate, compare and calculate different measures, including money in pounds and pence.

YEAR FOUR MATHEMATICS LONG TERM OVERVIEW

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

3		Lesson 3 – Compare amounts of money	Measurement	• Estimate, compare and calculate different measures, including money in pounds and pence.
		Lesson 4 – Estimate with money	Measurement	• Estimate, compare and calculate different measures, including money in pounds and pence.
		Lesson 5 – Calculate with money	Measurement	• Estimate, compare and calculate different measures, including money in pounds and pence.
		Lesson 6 – Solve problems with money	Measurement	• Estimate, compare and calculate different measures, including money in pounds and pence.
	End of Unit Check			
4	***Unit 13 – Time***	Lesson 1 – Years, months, weeks and days	Measurement	• Convert between different units of measure (for example, kilometre to metre; hour to minute).
		Lesson 2 – Years, months, weeks and days	Measurement	• Convert between different units of measure (for example, kilometre to metre; hour to minute).
		Lesson 3 – convert between analogue and digital times	Measurement	• Convert between different units of measure (for example, kilometre to metre; hour to minute).
		Lesson 4 – Convert to the 24-hour clock	Measurement	• Convert between different units of measure (for example, kilometre to metre; hour to minute).
		Lesson 5 – Problem solving – converting time	Measurement	• Convert between different units of measure (for example, kilometre to metre; hour to minute).
5	**End of Unit Check**			
	Unit 14 – Geometry – angles and 2D shapes	Lesson 1 – Identify angles	Geometry	• Identify acute and obtuse angles and compare and order angles up to two right angles by size.
		Lesson 2 – Compare and order angles	Geometry	• Identify acute and obtuse angles and compare and order angles up to two right angles by size.
		Lesson 3 - Triangles	Geometry	• Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.
		Lesson 4 - Quadrilaterals	Geometry	• Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.

YEAR FOUR MATHEMATICS LONG TERM OVERVIEW

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

6		Lesson 5 - Polygons	Geometry	• Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.
		Lesson 6 – Reasoning about polygons	Geometry	• Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.
		Lesson 7 – Lines of symmetry	Geometry	• Identify lines of symmetry in 2D shapes presented in different orientations.
		Lesson 8 – Complete a symmetric figure	Geometry	• Complete a simple symmetric figure with respect to a specific line of symmetry.
	End of Unit Check			
7	***Unit 15 – Statistics***	Lesson 1 – Interpret charts	Statistics	• Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.
		Lesson 2 – Solve problems with charts (1)	Statistics	• Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.
		Lesson 3 – Solve problems with charts (2)	Statistics	• Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.
		Lesson 4 – Interpret line graphs (1)	Statistics	• Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.
		Lesson 5 – Interpret line graphs (2)	Statistics	• Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.
8		Lesson 6 – Draw line graphs	Statistics	• Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.
	End of Unit Check			
	Unit 16 – Geometry – position and direction	Lesson 1 – Describe position	Geometry	• Describe positions on a 2D grid as coordinates in the first quadrant.
		Lesson 2 – Describe the position using coordinates	Geometry	• Describe positions on a 2D grid as coordinates in the first quadrant.
		Lesson 3 -Plot coordinates	Geometry	• Plot specified points and draw sides to complete a given polygon.
9		Lesson 4 – Draw 2D shapes on a grid	Geometry	• Plot specified points and draw sides to complete a given polygon.
		Lesson 5 – Translate on a grid	Geometry	• Describe movements between positions as translations of a given unit to the left/right and up/down.

YEAR FOUR MATHEMATICS LONG TERM OVERVIEW

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

		Lesson 6 – Describe translation on a grid	Geometry	• Describe movements between positions as translations of a given unit to the left/right and up/down.
	End of Unit Check			
	RTP	4NPV – 1	Number – Place value and number	• Know that 10 hundreds are equivalent to 1 thousand, and that 1,000 is 10 times the size of 100; apply this to identify and work out how many 100s there are in other four-digit multiples of 100.
10	**RTP**	4NPV – 2	Number – Place value and number	• Recognise the place value of each digit in four-digit numbers, and compose and decompose four-digit numbers using standard and nonstandard partitioning.
	RTP	4NPV – 3	Number – Place value and number	• Reason about the location of any four digit number in the linear number system, including identifying the previous and next multiple of 1,000 and 100, and rounding to the nearest of each.
	RTP	4NPV – 4	Number – Place value and number	• Divide 1,000 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 1,000 with 2, 4, 5 and 10 equal parts
	RTP	4NF – 1	Number – Place value and number	• Recall multiplication and division facts up to 12 x 12, and recognise products in multiplication tables as multiples of the corresponding number
	RTP	4NF – 2	Number – Place value and number	• Solve division problems, with two-digit dividends and one-digit divisors, that involve remainders, and interpret remainders appropriately according to the context.
11	**RTP**	4NF – 3	Number – Place value and number	• Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100)
	RTP	4MD – 1	Number – Multiplication and division	• Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to making a number 10 or 100 times the size.
	RTP	4MD – 2	Number – Multiplication and division	• Manipulate multiplication and division equations, and understand and apply the commutative property of multiplication.
	RTP	4MD – 3	Number – Multiplication and division	• Understand and apply the distributive property of multiplication.
	RTP	4F – 1	Number – fractions (including	• Reason about the location of mixed numbers in the linear number system.
12	**RTP**	4F – 2	Number- Fractions (including decimals)	• Convert mixed numbers to improper fractions and vice versa.

YEAR FOUR MATHEMATICS LONG TERM OVERVIEW

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

	RTP	4F – 3	Number- Fractions (including decimals)	• Add and subtract improper and mixed fractions with the same denominator, including bridging whole numbers
	RTP	4G - 1	Geometry	• Draw polygons, specified by coordinates in the first quadrant, and translate within the first quadrant.
	RTP	4G – 2	Geometry	• Identify regular polygons, including equilateral triangles and squares, as those in which the side-lengths are equal and the angles are equal. Find the perimeter of regular and irregular polygons.
	RTP	4G – 3	Geometry	• Identify line symmetry in 2D shapes presented in different orientations. Reflect shapes in a line of symmetry and complete a symmetric figure or pattern with respect to a specified line of symmetry.