

STRATFORD-SUB-CASTLE MATHEMATICS SUBJECT PROGRESSION – VOCABULARY

YEAR 1

Y1	VOCABULARY <i>(new vocab in bold/italic)</i>	STEM SENTENCES <i>(new vocab in bold/italic)</i>
Place Value	<i>number zero, one, two, three to twenty, and beyond, none, count (on/up/to/from/ down), before, after, more, less, many, few, fewer, least, fewest, smallest, greater, lesser, equal to, the same as, odd, even, pair, units, ones, tens, yen more/less, digit, numeral, figure(s), compare, order/a different order, size, value, between, halfway between, above, below</i>	<i>The value of the _____ is _____.</i>
Addition	<i>part, whole, total, sum, add, counting, tens, ones, equal, same value, plus, more than</i>	<i>The whole is _____ so a part is _____ and a part is _____ (The whole is 10 so a part is 6 and a part is 4)</i> <i>A part is _____ and a part is _____ so the whole is _____ (A part is 7 and a part is 3 so the whole is 10)</i> <i>The total of _____ and _____ is _____ (The total of 6 and 4 is 10).</i>
Subtraction	<i>take away, less than, the difference, subtract, minus, fewer, decrease</i>	<i>The whole is _____ so a part is _____ and a part is _____ (The whole is 10 so a part is 6 and a part is 4)</i> <i>A part is _____ and a part is _____ so the whole is _____ (A part is 7 and a part is 3 so the whole is 10)</i> <i>The difference between _____ and _____ is _____ (The difference between 12 and 4 is 8).</i>
Multiplication	<i>repeated addition, grouping, equal groups of, double, multiply, times, lots of</i>	<i>The whole is _____ there are _____ equal parts of _____ (The whole is 24 there are 4 equal parts of 6)</i>

Y1	VOCABULARY <i>(new vocab in bold/italic)</i>	STEM SENTENCES <i>(new vocab in bold/italic)</i>
Division	<i>sharing, divide, grouping, half, halving</i>	<i>The whole is _____ there are _____ equal parts of _____ (The whole is 24 there are 4 equal parts of 6)</i>
Fraction	<i>one half, halves, one quarter, quarters, equal, two, four, parts, equal parts, divide into 2, split, share, whole. fraction</i>	<i>The whole is split equally into _____ parts and _____ parts are shaded.</i> <i>Half of _____ is _____</i> <i>Quarter of _____ is _____</i>
Geometry	<u>PROPERTIES OF SHAPE</u> <i>2-D shapes, squares, rectangles, circles, triangles, 3-D shapes, cuboids, cubes, pyramids, cones spheres</i>	<i>The _____ has _____ corners and _____ sides</i> <i>The next shape in the pattern is _____.</i> <i>The core of the pattern is _____ then _____ then _____</i>
	<u>POSITION AND DIRECTION</u> <i>left and right, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, forwards and backwards, inside and outside, whole, half, quarter and three-quarter turns, directions, whole, half, quarter and three-quarter turns, direction clockwise</i>	<i>The shape has turned a _____ turn.</i> <i>The _____ is above _____.</i> <i>The _____ is below _____.</i> <i>In between _____ and _____ is _____.</i> <i>Above _____ is _____ and _____.</i> <i>There is nothing between _____ and _____.</i>
Measures	<i>long/short, longer/shorter, tall/short, double/half, heavy/light, heavier than, lighter than, full/empty, more than, less than, half, half full, quarter, quicker, slower, earlier, later, hours, minutes, seconds, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening, dates, days of the week, weeks, months and years, hour, half past, o'clock</i>	<i>The ___ is _____ than the _____</i> <i>The _____ is equal to the _____.</i> <i>The _____ is _____</i> <i>The time is _____</i>
Reasoning		<i>I know _____</i> <i>I think _____</i> <i>I agree because _____</i> <i>I disagree because _____</i>

YEAR 2

Y2	VOCABULARY <i>(new vocab in bold/italic)</i>	STEM SENTENCES <i>(new vocab in bold/italic)</i>
Place Value	number zero, one, two, three to twenty, and beyond, none, count (on/up/to/from/ down), before, after, more, less, many, few, fewer, least, fewest, smallest, greater, lesser, equal to, the same as, odd, even, pair, units , ones, tens, yen more/less, digit, numeral, figure(s), compare, order/a different order, size, value, between, halfway between, above, below Numbers to one hundred, hundreds, partition, recombine, hundred more/less	The value of the _____ is _____.
Addition	part, whole, total, sum, add, counting, tens, ones, equal, same value, plus, more than	The whole is _____ so a part is _____ and a part is _____ (The whole is 10 so a part is 6 and a part is 4) A part is _____ and a part is _____ so the whole is _____ (A part is 7 and a part is 3 so the whole is 10) The total of _____ and _____ is _____ (The total of 6 and 4 is 10). The sum of _____ and _____ is _____ (The sum of 6 and 4 is 10).
Subtraction	take away, less than, the difference, subtract, minus, fewer, decrease, partitioning, place value, tens, ones	The whole is _____ so a part is _____ and a part is _____ (The whole is 10 so a part is 6 and a part is 4) A part is _____ and a part is _____ so the whole is _____ (A part is 7 and a part is 3 so the whole is 10) The difference between _____ and _____ is _____ (The difference between 12 and 4 is 8).
Multiplication	Repeated addition, grouping, equal groups of, double, multiply, times, lots of array	The whole is _____ there are _____ equal parts of _____ (The whole is 24 there are 4 equal parts of 6)
Division	sharing, divide, grouping, half, halving arrays, repeated subtraction	The whole is _____ there are _____ equal parts of _____ (The whole is 24 there are 4 equal parts of 6)

Y2	VOCABULARY <i>(new vocab in bold/italic)</i>	STEM SENTENCES <i>(new vocab in bold/italic)</i>
Fraction	one half, halves, one quarter, quarters, equal, two, four, parts, equal parts, divide into 2, split, share, whole, fraction numerator (tells you the 'number' of), denominator (nominates or names the fraction), three quarters, equivalent, balance, multiply, divide, division, multiplication	<i>The whole is split equally into _____ parts and _____ parts are shaded.</i> Half of ____ is _____ Quarter of ____ is _____ If a quarter is _____ then the whole is _____ The numerator is _____ and the denominator is _____. _____ is equivalent to _____
Geometry	<u>PROPERTIES OF SHAPE</u> 2-D shapes, squares, rectangles, circles, triangles, 3-D shapes, cuboids, cubes, pyramids, cones spheres sides, line symmetry, vertical, edges, vertices, faces, quadrilaterals, polygons, prisms, octagon, pentagon, hexagon <u>POSITION AND DIRECTION</u> left and right, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, forwards and backwards, inside and outside, whole, half, quarter and three-quarter turns, directions, whole, half, quarter and three-quarter turns, direction clockwise	The _____ has _____ corners and _____ sides The next shape in the pattern is _____. The core of the pattern is _____ then _____ then _____ The _____ has _____ vertices, _____ edges and _____ faces. The _____ has _____ lines of symmetry. The shape has turned a _____ turn. The _____ is above _____. The _____ is below _____. In between _____ and _____ is _____. Above _____ is _____ and _____. There is nothing between _____ and _____.
Measures	long/short, longer/shorter, tall/short, double/half, heavy/light, heavier than, lighter than, full/empty, more than, less than, half, half full, quarter, quicker, slower, earlier, later, hours, minutes, seconds, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening, dates, days of the week, weeks, months and years, hour, half past, o'clock length, weight/mass, capacity, time, m/cm, kg/g, °C, litres/ml, unit, rulers, scales, thermometers, measuring jug, pence (p), pounds (£), quarter past, quarter to, minutes, analogue clocks	The ____ is _____ than the _____ The _____ is equal to the _____. The _____ is _____ The time is _____ The length/weight/capacity of the _____ is _____ There is £____ and _____ p There are _____ minutes in _____ hours The temperature in the _____ is _____. The difference in temperature between the _____ and the _____ is _____ degrees Celsius.

Y2	VOCABULARY <i>(new vocab in bold/italic)</i>	STEM SENTENCES <i>(new vocab in bold/italic)</i>
Statistics	<i>pictograms, tally charts, block diagrams, tables</i>	<i>There are _____</i>
Reasoning		I know____ I think ____ I agree because____ I disagree because____ <i>If I know....then...</i>

YEAR 3

Y3	VOCABULARY <i>(new vocab in bold/italic)</i>	STEM SENTENCES <i>(new vocab in bold/italic)</i>
Place Value	number zero, one, two, three to twenty, and beyond, none, count (on/up/to/from/ down), before, after, more, less, many, few, fewer, least, fewest, smallest, greater, lesser, equal to, the same as, odd, even, pair, units , ones, tens, yen more/less, digit, numeral, figure(s), compare, order/a different order, size, value, between, halfway between, above, below, numbers to one hundred, hundreds, partition, recombine, hundred more/less numbers to one thousand	The value of the _____ is _____.
Addition	part, whole, total, sum, add, counting, tens, ones, equal, same value, plus, more than column, hundreds, exchange	The whole is _____ so a part is _____ and a part is _____ (The whole is 10 so a part is 6 and a part is 4) A part is _____ and a part is _____ so the whole is _____ (A part is 7 and a part is 3 so the whole is 10) The total of _____ and _____ is _____ (The total of 6 and 4 is 10). The sum of _____ and _____ is _____ (The sum of 6 and 4 is 10).
Subtraction	take away, less than, the difference, subtract, minus, fewer, decrease, partitioning, place value, tens, ones column, exchange	The whole is _____ so a part is _____ and a part is _____ (The whole is 10 so a part is 6 and a part is 4) A part is _____ and a part is _____ so the whole is _____ (A part is 7 and a part is 3 so the whole is 10) The difference between _____ and _____ is _____ (The difference between 12 and 4 is 8).
Multiplication	Repeated addition, grouping, equal groups of, double, multiply, times, lots of array partitioning, grid method, product	The whole is _____ there are _____ equal parts of _____ (The whole is 24 there are 4 equal parts of 6) The product is _____ there are _____ equal groups of _____ (The product is 24 there are 4 equal groups of 6)
Division	sharing, divide, grouping, half, halving arrays, repeated subtraction remainders	The whole is _____ there are _____ equal parts of _____ (The whole is 24 there are 4 equal parts of 6)

Y3	VOCABULARY <i>(new vocab in bold/italic)</i>	STEM SENTENCES <i>(new vocab in bold/italic)</i>
		<p><i>The whole is _____ there are _____ equal parts of _____ and _____ remainders (The whole is 26 there are 4 equal parts of 6 and 2 remainders)</i></p>
<p>Fraction</p>	<p>one half, halves, one quarter, quarters, equal, two, four, parts, equal parts, divide into 2, split, share, whole, fraction numerator (tells you the 'number' of), denominator (nominates or names the fraction), three quarters, equivalent, balance, multiply, divide, division, multiplication</p> <p><i>fifths, tenths, unit-fraction, non-unit fraction</i></p>	<p>The whole is split equally into _____ parts and _____ parts are shaded. Half of _____ is _____ Quarter of _____ is _____ If a quarter is _____ then the whole is _____ The numerator is _____ and the denominator is _____. _____ is equivalent to _____</p> <p><i>The value of the _____ is _____ tenths.</i> <i>If the _____ is the whole, the _____ is one part of the whole</i></p>
<p>Geometry</p>	<p><i>PROPERTIES OF SHAPE</i> 2-D shapes, squares, rectangles, circles, triangles, 3-D shapes, cuboids, cubes, pyramids, cones spheres, sides, line symmetry, vertical, edges, vertices, faces, quadrilaterals, polygons, prisms, octagon, pentagon, hexagon</p> <p><i>angle, right angle, horizontal, perpendicular lines, parallel lines, acute, obtuse</i></p> <p><i>POSITION AND DIRECTION (N.B. No new unit in Y3)</i> left and right, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, forwards and backwards, inside and outside, whole, half, quarter and three-quarter turns, directions, whole, half, quarter and three-quarter turns, direction clockwise</p>	<p>The _____ has _____ corners and _____ sides The next shape in the pattern is _____. The core of the pattern is _____ then _____ then _____ The _____ has _____ vertices, _____ edges and _____ faces. The _____ has _____ lines of symmetry.</p> <p><i>The _____ has _____ right angles.</i> <i>The _____ has _____ pairs of perpendicular/ parallel lines.</i></p> <p>The shape has turned a _____ turn. The _____ is above _____. The _____ is below _____. In between _____ and _____ is _____. Above _____ is _____ and _____. There is nothing between _____ and _____.</p>
<p>Measures</p>	<p>long/short, longer/shorter, tall/short, double/half, heavy/light, heavier than, lighter than, full/empty, more than, less than, half, half full, quarter, quicker, slower, earlier, later, hours, minutes, seconds, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening, dates, days of the week, weeks, months and years, hour, half past, o'clock, <i>length, weight/mass, capacity, time</i>, m/cm, kg/g, °C, litres/ml, unit, rulers, scales, thermometers, measuring jug, pence (p), pounds (£), quarter past, quarter to, minutes, analogue clocks</p>	<p>The _____ is _____ than the _____ The _____ is equal to the _____. The _____ is _____ The time is _____ The length/weight/capacity of the _____ is _____ There is £_____ and _____ p There are _____ minutes in _____ hours The temperature in the _____ is _____.</p>

Y3	VOCABULARY <i>(new vocab in bold/italic)</i>	STEM SENTENCES <i>(new vocab in bold/italic)</i>
	<i>perimeter, Roman numerals, noon, midnight, leap year</i>	The difference in temperature between the _____ and the _____ is __ degrees Celsius. <i>The perimeter of the _____ is _____.</i>
Statistics	pictograms, tally charts, block diagrams, tables <i>bar charts, scale</i>	There are _____
Reasoning		I know _____ I think _____ I agree because _____ I disagree because _____ If I know....then... <i>In my opinion...</i> <i>The answer is because...</i>

YEAR 4

Y4	VOCABULARY <i>(new vocab in bold/italic)</i>	STEM SENTENCES <i>(new vocab in bold/italic)</i>
Place Value	number zero, one, two, three to twenty, and beyond, none, count (on/up/to/from/ down), before, after, more, less, many, few, fewer, least, fewest, smallest, greater, lesser, equal to, the same as, odd, even, pair, units , ones, tens, yen more/less, digit, numeral, figure(s), compare, order/a different order, size, value, between, halfway between, above, below, numbers to one hundred, hundreds, partition, recombine, hundred more/less, numbers to one thousand tenths, hundredths, decimal (places), round (to nearest), thousand more/less than, negative integers, count through zero, Roman numerals (I to C)	The value of the _____ is _____.
Addition	part, whole, total, sum, add, counting, tens, ones, equal, same value, plus, more than, column, hundreds, exchange thousands	The whole is _____ so a part is _____ and a part is _____ (The whole is 10 so a part is 6 and a part is 4) A part is _____ and a part is _____ so the whole is _____ (A part is 7 and a part is 3 so the whole is 10) The total of _____ and _____ is _____ (The total of 6 and 4 is 10). The sum of _____ and _____ is _____ (The sum of 6 and 4 is 10).
Subtraction	take away, less than, the difference, subtract, minus, fewer, decrease, partitioning, place value, tens, ones, column, exchange thousands	The whole is _____ so a part is _____ and a part is _____ (The whole is 10 so a part is 6 and a part is 4) A part is _____ and a part is _____ so the whole is _____ (A part is 7 and a part is 3 so the whole is 10) The difference between _____ and _____ is _____ (The difference between 12 and 4 is 8).
Multiplication	Repeated addition, grouping, equal groups of, double, multiply, times, lots of, array, partitioning, grid method, product, short multiplication, column, exchange	The whole is _____ there are _____ equal parts of _____ (The whole is 24 there are 4 equal parts of 6) The product is _____ there are _____ equal groups of _____ (The product is 24 there are 4 equal groups of 6)

Y4	VOCABULARY <i>(new vocab in bold/italic)</i>	STEM SENTENCES <i>(new vocab in bold/italic)</i>
Division	sharing, divide, grouping, half, halving, arrays, repeated subtraction, remainders short division, bus shelter	The whole is _____ there are _____ equal parts of _____ (The whole is 24 there are 4 equal parts of 6) The whole is _____ there are _____ equal parts of _____ and _____ remainders (The whole is 26 there are 4 equal parts of 6 and 2 remainders)
Fraction	one half, halves, one quarter, quarters, equal, two, four, parts, equal parts, divide into 2, split, share, whole, fraction numerator (tells you the 'number' of), denominator (nominates or names the fraction), three quarters, equivalent, balance, multiply, divide, division, multiplication fifths, tenths, unit-fraction, non-unit fraction hundredths, decimal, 'three point six', 'three point seven five)	The whole is split equally into _____ parts and _____ parts are shaded. Half of _____ is _____ Quarter of _____ is _____ If a quarter is _____ then the whole is _____ The numerator is _____ and the denominator is _____. _____ is equivalent to _____ The value of the _____ is _____ tenths. If the _____ is the whole, the _____ is one part of the whole The value of the _____ is _____ tenths/hundredths.
Geometry	<u>PROPERTIES OF SHAPE</u> 2-D shapes, squares, rectangles, circles, triangles, 3-D shapes, cuboids, cubes, pyramids, cones spheres, sides, line symmetry, vertical, edges, vertices, faces, quadrilaterals, polygons, prisms, octagon, pentagon, hexagon, angle, right angle, horizontal, perpendicular lines, parallel lines, acute, obtuse isosceles, scalene, parallelogram, rhombus, trapezium, protractor, regular, irregular, nets	The _____ has _____ corners and _____ sides The next shape in the pattern is _____. The core of the pattern is _____ then _____ then _____ The _____ has _____ vertices, _____ edges and _____ faces. The _____ has _____ lines of symmetry. The _____ has _____ right angles/ obtuse angle/ acute angles.. The _____ has _____ pairs of perpendicular/ parallel lines.
	<u>POSITION AND DIRECTION</u> dleft and right, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, forwards and backwards, inside and outside, whole, half, quarter and three-quarter turns, directions, whole, half, quarter and three-quarter turns, direction clockwise first quadrant, plot, pair of axes, x axis, y axis, translation	The shape has turned a _____ turn. The _____ is above _____. The _____ is below _____. In between _____ and _____ is _____. Above _____ is _____ and _____. There is nothing between _____ and _____. The coordinates are _____ and _____.
Measures	long/short, longer/shorter, tall/short, double/half, heavy/light, heavier than, lighter than, full/empty, more than, less than, half, half full,	The _____ is _____ than the _____ The _____ is equal to the _____.

Y4	VOCABULARY <i>(new vocab in bold/italic)</i>	STEM SENTENCES <i>(new vocab in bold/italic)</i>
	quarter, quicker, slower, earlier, later, hours, minutes, seconds, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening, dates, days of the week, weeks, months and years, hour, half past, o'clock, <i>length, weight/mass, capacity, time</i> , m/cm, kg/g, °C, litres/ml, unit, rulers, scales, thermometers, measuring jug, pence (p), pounds (£), quarter past, quarter to, minutes, analogue clocks perimeter, Roman numerals, noon, midnight, leap year <i>kilometre, rectilinear shapes</i>	The ____ is _____ The time is _____ The length/weight/capacity of the ____ is _____ There is £____ and ____ p There are _____ minutes in _____ hours The temperature in the _____ is _____. The difference in temperature between the _____ and the _____ is __ degrees Celsius. The perimeter of the _____ is _____. <i>_____ (UNIT) is equal to _____ (UNIT)</i>
Statistics	pictograms, tally charts, block diagrams, tables, bar charts, scale <i>time graphs</i>	There are _____
Reasoning		I know ____ I think ____ I agree because ____ I disagree because ____ If I know....then... In my opinion... The answer is because... <i>We know that...so...</i> <i>The difference between...is...</i> <i>It can't be.so it must be...</i>

YEAR 5

Y5	VOCABULARY <i>(new vocab in bold/italic)</i>	STEM SENTENCES <i>(new vocab in bold/italic)</i>
Place Value	number zero, one, two, three to twenty, and beyond, none, count (on/up/to/from/ down), before, after, more, less, many, few, fewer, least, fewest, smallest, greater, lesser, equal to, the same as, odd, even, pair, units , ones, tens, yen more/less, digit, numeral, figure(s), compare, order/a different order, size, value, between, halfway between, above, below, numbers to one hundred, hundreds, partition, recombine, hundred more/less, numbers to one thousand, tenths, hundredths, decimal (places), round (to nearest), thousand more/less than, negative integers, count through zero, Roman numerals (I to C), <i>powers of 10</i>	The value of the _____ is _____.
Addition	part, whole, total, sum, add, counting, tens, ones, equal, same value, plus, more than column, hundreds, exchange, thousands <i>decimal, tenth, hundredth, thousandth</i>	The whole is _____ so a part is _____ and a part is _____ (The whole is 10 so a part is 6 and a part is 4) A part is _____ and a part is _____ so the whole is _____ (A part is 7 and a part is 3 so the whole is 10) The total of ____ and ____ is _____ (The total of 6 and 4 is 10). The sum of ____ and ____ is _____ (The sum of 6 and 4 is 10).
Subtraction	take away, less than, the difference, subtract, minus, fewer, decrease, partitioning, place value, tens, ones, column, exchange, thousands <i>decimal, tenth, hundredth, thousandth</i>	The whole is _____ so a part is _____ and a part is _____ (The whole is 10 so a part is 6 and a part is 4) A part is _____ and a part is _____ so the whole is _____ (A part is 7 and a part is 3 so the whole is 10) The difference between _____ and _____ is _____ (The difference between 12 and 4 is 8).
Multiplication	Repeated addition, grouping, equal groups of, double, multiply, times, lots of, array, partitioning, grid method, product, short multiplication, column, exchange <i>long multiplication</i>	The whole is _____ there are _____ equal parts of _____ (The whole is 24 there are 4 equal parts of 6) The product is _____ there are _____ equal groups of _____ (The product is 24 there are 4 equal groups of 6)
Division	sharing, divide, grouping, half, halving, arrays, repeated subtraction, remainders short division, bus shelter	The whole is _____ there are _____ equal parts of _____ (The whole is 24 there are 4 equal parts of 6)

Y5	VOCABULARY <i>(new vocab in bold/italic)</i>	STEM SENTENCES <i>(new vocab in bold/italic)</i>
		The whole is _____ there are _____ equal parts of _____ and _____ remainders (The whole is 26 there are 4 equal parts of 6 and 2 remainders) The quotient of _____ and _____ is _____ (The quotient of 24 and 6 is 4)
Fraction	one half, halves, one quarter, quarters, equal, two, four, parts, equal parts, divide into 2, split, share, whole, fraction numerator (tells you the 'number' of), denominator (nominates or names the fraction), three quarters, equivalent, balance, multiply, divide, division, multiplication fifths, tenths, unit-fraction, non-unit fraction hundredths, decimal, 'three point six', 'three point seven five) percent, percentage, mixed number, improper	The whole is split equally into _____ parts and _____ parts are shaded. Half of _____ is _____ Quarter of _____ is _____ If a quarter is _____ then the whole is _____ The numerator is _____ and the denominator is _____. _____ is equivalent to _____ The value of the _____ is _____ tenths. If the _____ is the whole, the _____ is one part of the whole The value of the _____ is _____ tenths/hundredths.
Geometry	<u>PROPERTIES OF SHAPE</u> 2-D shapes, squares, rectangles, circles, triangles, 3-D shapes, cuboids, cubes, pyramids, cones spheres, sides, line symmetry, vertical, edges, vertices, faces, quadrilaterals, polygons, prisms, octagon, pentagon, hexagon angle, right angle, horizontal, perpendicular lines, parallel lines, acute, obtuse, isosceles, scalene, parallelogram, rhombus, trapezium, protractor, regular, irregular, nets reflex	The _____ has _____ corners and _____ sides The next shape in the pattern is _____. The core of the pattern is _____ then _____ then _____ The _____ has _____ vertices, _____ edges and _____ faces. The _____ has _____ lines of symmetry. The _____ has _____ right angles/ obtuse angle/ acute angles.. The _____ has _____ pairs of perpendicular/ parallel lines. The turn from _____ to _____ is _____ than a right angle. It is an _____ angle.
Measures	<u>POSITION AND DIRECTION</u> left and right, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, forwards and backwards, inside and outside, whole, half, quarter and three-quarter turns, directions, whole, half, quarter and three-quarter turns, direction clockwise, first quadrant, plot, pair of axes, x axis, y axis, translation reflection,	The shape has turned a _____ turn. The _____ is above _____. The _____ is below _____. In between _____ and _____ is _____. Above _____ is _____ and _____. There is nothing between _____ and _____. The coordinates are _____ and _____. After _____, the new coordinates are _____ and _____

Y5	VOCABULARY <i>(new vocab in bold/italic)</i>	STEM SENTENCES <i>(new vocab in bold/italic)</i>
	<i>weight/mass, capacity, time</i> , m/cm, kg/g, °C, litres/ml, unit, rulers, scales, thermometers, measuring jug, pence (p), pounds (£), quarter past, quarter to, minutes, analogue clocks perimeter, Roman numerals, noon, midnight, leap year, kilometre, rectilinear shapes <i>imperial units, inches, pounds, pints, area, volume, scaling, mass</i>	There is £ ____ and ____ p There are ____ minutes in ____ hours The temperature in the ____ is ____. The difference in temperature between the ____ and the ____ is ____ degrees Celsius. The perimeter of the ____ is ____. ____ (UNIT) is equal to ____ (UNIT) <i>The area of the ____ is ____</i>
Statistics	pictograms, tally charts, block diagrams, tables, bar charts, scale, time graphs <i>line graph, timetables</i>	There are ____
Reasoning		I know ____ I think ____ I agree because ____ I disagree because ____ If I know....then... In my opinion... The answer is because... We know that...so... The difference between...is... It can't be.so it must be... <i>I know that...so I would try...</i>

YEAR 6

Y6	VOCABULARY <i>(new vocab in bold/italic)</i>	STEM SENTENCES <i>(new vocab in bold/italic)</i>
Place Value	number zero, one, two, three to twenty, and beyond, none, count (on/up/to/from/down), before, after, more, less, many, few, fewer, least, fewest, smallest, greater, lesser, equal to, the same as, odd, even, pair, units, ones, tens, yen more/less, digit, numeral, figure(s), compare, order/a different order, size, value, between, halfway between, above, below, numbers to one hundred, hundreds, partition, recombine, hundred more/less, numbers to one thousand, tenths, hundredths, decimal (places), round (to nearest), thousand more/less than, negative integers, count through zero, Roman numerals (I to C) numbers to 10 million	The value of the _____ is _____.
Addition	part, whole, total, sum, add, counting, tens, ones, equal, same value, plus, more than column, hundreds, exchange, thousands decimal, tenth, hundredth, thousandth	The whole is _____ so a part is _____ and a part is _____ (The whole is 10 so a part is 6 and a part is 4) A part is _____ and a part is _____ so the whole is _____ (A part is 7 and a part is 3 so the whole is 10) The total of _____ and _____ is _____ (The total of 6 and 4 is 10). The sum of _____ and _____ is _____ (The sum of 6 and 4 is 10).
Subtraction	take away, less than, the difference, subtract, minus, fewer, decrease, partitioning, place value, tens, ones, column, exchange, thousands decimal, tenth, hundredth, thousandth	The whole is _____ so a part is _____ and a part is _____ (The whole is 10 so a part is 6 and a part is 4) A part is _____ and a part is _____ so the whole is _____ (A part is 7 and a part is 3 so the whole is 10) The difference between _____ and _____ is _____ (The difference between 12 and 4 is 8).
Multiplication	Repeated addition, grouping, equal groups of, double, multiply, times, lots of, array, partitioning, grid method, product, short multiplication, column, exchange long multiplication	The whole is _____ there are _____ equal parts of _____ (The whole is 24 there are 4 equal parts of 6) The product is _____ there are _____ equal groups of _____ (The product is 24 there are 4 equal groups of 6)
Division	sharing, divide, grouping, half, halving, arrays, repeated subtraction, remainders short division, bus shelter long division	The whole is _____ there are _____ equal parts of _____ (The whole is 24 there are 4 equal parts of 6) The whole is _____ there are _____ equal parts of _____ and _____ remainders (The whole is 26 there are 4 equal parts of 6 and 2 remainders) The quotient of _____ and _____ is _____ (The quotient of 24 and 6 is 4)

Y6	VOCABULARY <i>(new vocab in bold/italic)</i>	STEM SENTENCES <i>(new vocab in bold/italic)</i>
Fraction	one half, halves, one quarter, quarters, equal, two, four, parts, equal parts, divide into 2, split, share, whole, fraction numerator (tells you the 'number' of), denominator (nominates or names the fraction), three quarters, equivalent, balance, multiply, divide, division, multiplication fifths, tenths, unit-fraction, non-unit fraction hundredths, decimal, 'three point six', 'three point seven five) percent, percentage, mixed number, improper	The whole is split equally into _____ parts and _____ parts are shaded. Half of _____ is _____ Quarter of _____ is _____ If a quarter is _____ then the whole is _____ The numerator is _____ and the denominator is _____. _____ is equivalent to _____ The value of the _____ is _____ tenths. If the _____ is the whole, the _____ is one part of the whole The value of the _____ is _____ tenths/hundredths.
Geometry	<p><u>PROPERTIES OF SHAPE</u> 2-D shapes, squares, rectangles, circles, triangles, 3-D shapes, cuboids, cubes, pyramids, cones spheres, sides, line symmetry, vertical, edges, vertices, faces, quadrilaterals, polygons, prisms, octagon, pentagon, hexagon angle, right angle, horizontal, perpendicular lines, parallel lines, nets, acute, obtuse, isosceles, scalene, parallelogram, rhombus, trapezium, protractor, regular, irregular, reflex</p> <p><i>radius, diameter, circumference</i></p>	The _____ has _____ corners and _____ sides The next shape in the pattern is _____. The core of the pattern is _____ then _____ then _____ The _____ has _____ vertices, _____ edges and _____ faces. The _____ has _____ lines of symmetry. The _____ has _____ right angles/ obtuse angle/ acute angles.. The _____ has _____ pairs of perpendicular/ parallel lines. The turn from _____ to _____ is _____ than a right angle. It is an _____ angle. <i>The (radius/diameter/circumference) of the circle is _____</i>
Measures	<p><u>POSITION AND DIRECTION</u> dleft and right, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, forwards and backwards, inside and outside, whole, half, quarter and three-quarter turns, directions, whole, half, quarter and three-quarter turns, direction clockwise, first quadrant, plot, pair of axes, x axis, y axis, translation, reflection, <i>four quadrant</i></p>	The shape has turned a _____ turn. The _____ is above _____. The _____ is below _____. In between _____ and _____ is _____. Above _____ is _____ and _____. There is nothing between _____ and _____. The coordinates are _____ and _____. After _____, the new coordinates are _____ and _____
Measures	long/short, longer/shorter, tall/short, double/half, heavy/light, heavier than, lighter than, full/empty, more than, less than, half, half full, quarter, quicker, slower, earlier, later, hours, minutes, seconds, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening, dates, days of the week, weeks, months and years, hour, half past, o'clock,, <i>length, weight/mass, capacity, time, m/cm, kg/g, °C, litres/ml, unit, rulers, scales, thermometers, measuring jug, pence (p), pounds (£), quarter past, quarter to, minutes, analogue clocks, perimeter, Roman numerals, noon, midnight, leap year, kilometre, rectilinear shapes, imperial units, inches, pounds, pints, area, volume, scaling, mass</i> <i>speed</i>	The _____ is _____ than the _____ The _____ is equal to the _____. The _____ is _____ The time is _____ The length/weight/capacity of the _____ is _____ There is £ _____ and _____ p There are _____ minutes in _____ hours The temperature in the _____ is _____. The difference in temperature between the _____ and the _____ is _____ degrees Celsius. The perimeter of the _____ is _____. _____ (UNIT) is equal to _____ (UNIT) The area of the _____ is _____

Y6	VOCABULARY <i>(new vocab in bold/italic)</i>	STEM SENTENCES <i>(new vocab in bold/italic)</i>
Statistics	pictograms, tally charts, block diagrams, tables, bar charts, scale, time graphs line graph, timetables pie chart, mean, average	There are _____ The mean of the set of data is _____
Algebra	formula, linear number sequence, equation, unknowns, variables, possibilities of combinations	If ___ is ____, then ___ is ____ There are _____ possible combinations.
Ratio and Proportion	quantities, percentages, scale factor	For every _____ there are ____ The ratio of _____ to blue _____ Shape _____ is _____ as big as shape _____ From _ to _, the scale factor of enlargement is ____
Reasoning		I know _____ I think _____ I agree because _____ I disagree because _____ If I know....then... In my opinion... The answer is because... We know that...so... The difference between...is... It can't be.so it must be... I know.....approached it by... I was systematic because... So far I have discovered... that...so I would try...