STRATFORD-SUB-CASTLE MATHEMATICS SUBJECT PROGRESSION – VOCABULARY

V1	VOCABULARY	STEM SENTENCES
11	(new vocab in bold/italic)	(new vocab in bold/italic)
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	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 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 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).
Subtraction	take away, less than, the difference, subtract, minus, fewer, decrease	The whole is so a part is and a part is 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 so the whole is 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	The whole is there areequal parts of (The whole is 24 there are 4 equal parts of 6)

V1	VOCABULARY	STEM SENTENCES
T	(new vocab in bold/italic)	(new vocab in bold/italic)
Division	sharing, divide, grouping, half, halving	The whole is there are equal parts of (The whole is 24 there are 4 equal parts of 6)
Fraction	one half, halves, one quarter, quarters, equal, two, four, parts, equal parts, divide into 2, split, share, whole. fraction	The whole is split equally intoparts andparts are shaded. Half of is Quarter of is
Geometry	<u>PROPERTIES OF SHAPE</u> 2-D shapes, squares, rectangles, circles, triangles, 3-D shapes, cuboids, cubes, pyramids, cones spheres	The has corners and sides The next shape in the pattern is The core of the pattern is then then
	<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 shape has turned aturn. The is above The is below In between and 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	The is than the The is equal to the The is The time is
Reasoning		I know I think I agree because I disagree because

N 2	VOCABULARY	STEM SENTENCES
۲2	(new vocab in bold/italic)	(new vocab in bold/italic)
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, <i>partitioning, place value, tens, ones</i>	The whole is so a part is and a part is and a part is and a part is 10 so a part is 6 and a part is 4) A part is and a part is so the whole is so the whole is (A part is 7 and a part is 3 so the whole is 10) The difference between and 4 is 8).
Multiplication	Repeated addition, grouping, equal groups of, double, multiply, times, lots of <i>array</i>	The whole is there areequal 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 areequal parts of (The whole is 24 there are 4 equal parts of 6)

V2	VOCABULARY	STEM SENTENCES
12	(new vocab in bold/italic)	(new vocab in bold/italic)
Fraction	one half, halves, one quarter, quarters, equal, two, four, parts, equal	The whole is split equally intoparts andparts are
	parts, divide into 2, split, share, whole, fraction	shaded.
	numerator (tells you the 'number' of), denominator (nominates or	Half of is
	names the fraction), three quarters, equivalent, balance, multiply,	Quarter of is
Traction	divide, division, multiplication	
		If a quarter is then the whole is
		The numerator is and the denominator is
		is equivalent to
	PROPERTIES OF SHAPE	The has corners and sides
	2-D shapes, squares, rectangles, circles, triangles, 3-D shapes, cuboids,	The next shape in the pattern is
	cubes, pyramids, cones spheres	The core of the pattern is then then
	sides, line symmetry, vertical, edges, vertices, faces, quadrilaterals,	
	polygons, prisms, octagon, pentagon, hexagon	The has vertices, edges and faces.
Geometry		The has lines of symmetry.
	POSITION AND DIRECTION	The shape has turned aturn.
	left and right, top, middle and bottom, on top of, in front of, above,	The is above
	between, around, near, close and far, up and down, forwards and	The is below
	backwards, inside and outside, whole, half, quarter and three-quarter	In between and is
	turns, directions, whole, half, quarter and three-quarter turns,	Above is and
	direction clockwise	Inere is nothing between and
	long/short, longer/shorter, tall/short, double/half, heavy/light, heavier	The is than the
	than, lighter than, full/empty, more than, less than, half, half full,	The is equal to the
	quarter, quicker, slower, earlier, later, hours, minutes, seconds, before	The IS
	and after, next, first, today, yesterday, tomorrow, morning, afternoon	The log other sector of the sector sector of the sector se
Measures	and evening, dates, days of the week, weeks, months and years, nour,	The length/weight/capacity of the is
	Indi past, o ciock	There is $\underline{\mathbf{f}}_{\underline{\mathbf{f}}}$ and $\underline{\mathbf{f}}_{\underline{\mathbf{f}}}$
	length, weight/mass, capacity, time, m/cm, kg/g, C, iitres/mi, unit,	The temperature in the in the
	augreter past augreter to minutes analogue clocks	The difference in temperature between the and the
	quarter past, quareter to, minutes, analogue clocks	is degrees Colsius

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

N2	VOCABULARY	STEM SENTENCES
15	(new vocab in bold/italic)	(new vocab in bold/italic)
	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,	The value of the is
	even, pair, units , ones, tens, yen more/less, digit, numeral, figure(s),	
Place Value	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	
	part, whole, total, sum, add, counting, tens, ones, equal, same value,	The whole is so a part is and a part is
	plus, more than	(The whole is 10 so a part is 6 and a part is 4)
	column, hundreds, exchange	A part is and a part is so the whole is
Addition		(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).
	take away, less than, the difference, subtract, minus, fewer, decrease,	The whole is so a part is and a part is
	partitioning, place value, tens, ones	(The whole is 10 so a part is 6 and a part is 4)
Subtraction	column, exchange	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
	Dependent addition grouping equal groups of double multiply times	difference between 12 and 4 is 8).
	Repeated addition, grouping, equal groups of, double, multiply, times,	narts of (The whole is 24 there are 4 equal
	array	parts of 6)
Multiplication	partitionina, arid method, product	
		The product isequal
		groups of (The product is 24 there are 4 equal
		groups of 6)
	sharing, divide, grouping, half, halving	The whole isequal
Division	arrays, repeated subtraction	parts of (The whole is 24 there are 4 equal
	remainders	parts of 6)

N2	VOCABULARY	STEM SENTENCES
15	(new vocab in bold/italic)	(new vocab in bold/italic)
		The whole is there areequal
		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 <i>fifths, tenths, unit-fraction, non-unit fraction</i>	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 If a quarter 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
Geometry	 PROPERTIES OF SHAPE 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 	The has corners and sides The next shape in the pattern is The core of the pattern is then The has vertices, edges and faces. The has lines of symmetry. The has right angles. The has right of perpendicular/ parallel lines.
,	POSITION AND DIRECTION (N.B. No new unit in Y3)	The shape has turned a turn.
	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	The is above The is below In between and is Above is
	direction clockwise	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, <i>length, weight/mass, capacity, time</i> , m/cm, kg/g, °C, litres/ml, unit, rulers, scales, thermometers, measuring jug, pence (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

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

N/A	VOCABULARY	STEM SENTENCES
¥4	(new vocab in bold/italic)	(new vocab in bold/italic)
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 <i>thousands</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 <i>thousands</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, <i>short multiplication, column, exchange</i>	The whole is there areequal parts of (The whole is 24 there are 4 equal parts of 6) The product is there areequal groups of (The product is 24 there are 4 equal groups of 6)

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

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

VE	VOCABULARY	STEM SENTENCES
¥5	(new vocab in bold/italic)	(new vocab in bold/italic)
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 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 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 areequal parts of (The whole is 24 there are 4 equal parts of 6) The product is there areequal 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 isequal parts ofequal parts ofequal parts of 6)

13 (new vocab in bold/italic) (new vocab in bold/italic) Image: the state of th
The whole is
andremainders (The whole is 26 there ar equal parts of 6 and 2 remainders) The quotient ofandis (The quotient of 24 and 6 4) one half, halves, one quarter, quarters, equal, two, four, parts, equal parts, divide into 2, split, share, whole, fraction The whole is split equally into parts and parts are shaded. Half of is numerator (tells you the 'number' of), denominator (nominates or names the Quarter of is Ouarter of is
equal parts of 6 and 2 remainders) The quotient of and is (The quotient of 24 and 6 one half, halves, one quarter, quarters, equal, two, four, parts, equal parts, divide into 2, split, share, whole, fraction The whole is split equally into parts and parts are shaded. Half of is numerator (tells you the 'number' of), denominator (nominates or names the output to) Ouarter of is
Image: constraint of the second state of the second sta
4) one half, halves, one quarter, quarters, equal, two, four, parts, equal parts, divide into 2, split, share, whole, fraction The whole is split equally intoparts andparts are shaded. Half of is numerator (tells you the 'number' of), denominator (nominates or names the Ouarter ofis Ouarter ofis
one half, halves, one quarter, quarters, equal, two, four, parts, equal parts, The whole is split equally intoparts andparts are shaded. divide into 2, split, share, whole, fraction Half of is numerator (tells you the 'number' of), denominator (nominates or names the Quarter of is
divide into 2, split, share, whole, fraction numerator (tells you the 'number' of), denominator (nominates or names the Divide into 2, split, share, whole, fraction numerator (tells you the 'number' of), denominator (nominates or names the Divide into 2 = is
numerator (tells you the 'number' of), denominator (nominates or names the Quarter of is
fraction), three guarters, equivalent, balance, multiply, divide, division, If a guarter is then the whole is
Fraction multiplication The numerator is and the denominator is
fifths, tenths, unit-fraction, non-unit fraction is equivalent to
hundredths, decimal, 'three point six', 'three point seven five) The value of the is tenths.
percent, percentage, mixed number, improper
The value of the is tenths/hundredths.
PROPERTIES OF SHAPE The has corners and sides
2-D shapes, squares, rectangles, circles, triangles, 3-D shapes, cuboids, cubes, The next shape in the pattern is
pyramids, cones spheres, sides, line symmetry, vertical, edges, vertices, faces, The core of the pattern is then then
quadrilaterals, polygons, prisms, octagon, pentagon, hexagon I he has vertices, edges and faces.
angle, right angle, horizontal, perpendicular lines, parallel lines, acute, obtuse, The has lines of symmetry.
isosceles, scalene, parallelogram, rhombus, trapezium, protractor, regular, The has fight angles, obtuse angle, acute angles.
The turn from to is than a right galacter it is an and
Geometry reflex
POSITION AND DIRECTION turn.
dleft and right, top, middle and bottom, on top of, in front of, above, The is above
between, around, near, close and far, up and down, forwards and backwards, The is below
inside and outside, whole, half, quarter and three-quarter turns, directions, In between and is
whole, half, quarter and three-quarter turns, direction clockwise, first Above is and
quadrant, plot, pair of axes, x axis, y axis, translation There is nothing between and
reflection, The coordinates are and
After, the new coordinates are and
long/short, longer/shorter, tall/short, double/half, heavy/light, heavier than, The is than the
Igniter than, full/empty, more than, less than, half full, quarter, quicker, introduction is equal to the
today, vesterday, tomorrow, morning, afternoon and evening, dates, days of the time is
the week weeks months and years hour half nast o'clock <i>length</i> The length/weight/capacity of the

Y5	VOCABULARY	STEM SENTENCES
	(new vocab in bold/italic)	(new vocab in bold/italic)
	weight/mass, capacity, time, m/cm, kg/g, °C, litres/ml, unit, rulers, scales,	There is £ and p
	thermometers, measuring jug, pence (p), pounds (£), quarter past, quarter to,	There are minutes in hours
	minutes, analogue clocks	The temperature in the is
	perimeter, Roman numerals, noon, midnight, leap year, kilometre, rectilinear	The difference in temperature between the and the
	shapes	is degrees Celsius.
	imperial units, inches, pounds, pints, area, volume, scaling, mass	The perimeter of the is
		(UNIT) is equal to (UNIT)
		The area of the is
Statistics	pictograms, tally charts, block diagrams, tables, bar charts, scale, time graphs	There are
Statistics	line graph, timetables	
Reasoning		I know
		I think
		l agree because
		I disagree because
		If I knowthen
		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 thatso I would try

VG	VOCABULARY	STEM SENTENCES
10	(new vocab in bold/italic)	(new vocab in bold/italic)
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>numbers to 10 million</i>	The value of theis
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 isso a part isand a part is(The whole is 10 so a part is 6 and a part is 4) A part isand a part isso the whole isso the whole is(A part is 7 and a part is 3 so the whole is 10) The total ofandis(The total of 6 and 4 is 10). The sum ofandis(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 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 areequal parts of (The whole is 24 there are 4 equal parts of 6) The product is there areequal 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 <i>long divsion</i>	The whole is (The whole is 24 there are 4 equal parts of 6) The whole is (The whole is 24 there are 4 equal parts of 6) The whole is there areequal 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)

¥6	VOCABULARY	STEM SENTENCES
	(new vocab in bold/italic)	(new vocab in bold/italic)
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 intoparts andparts 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	PROPERTIES OF SHAPE 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 radius, diameter, circumference POSITION AND DIRECTION 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, four quadrant	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 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. The (radius/diameter/circumference) of the circle is The shape has turned a turn. The is above In between and There is nothing between and The coordinates are and After the paw 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,</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, imperial units, inches, pounds, pints, area, volume, scaling, mass 	After, the new coordinates are and The is 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 timperature in the is The difference in temperature between the and the is The perimeter of the is The perimeter of the is

¥6	VOCABULARY	STEM SENTENCES
10	(new vocab in bold/italic)	(new vocab in bold/italic)
	pictograms, tally charts, block diagrams, tables, bar charts, scale, time graphs	There are
Statistics	line graph, timetables	The mean of the set of data is
	pie chart, mean, average	
Algebra	formula, linear number sequence, equation, unknowns, variables, possibilities of	If is, then is
	combinations	There are possible combinations.
Ratio and Proportion	quantities, percentages, scale factor	For every there are
		The ratio of to blue
		Snape is as big as snape
		From, the scale juctor of emargement is
		1 know
		I think
		Lagree because
		I disagree hecause
		If I know then
		in my opinion
Reasoning		The answer is because
		We know thatso
		The difference betweenis
		It can't be.so it must be
		I knowapproached it by
		I was systematic because
		So far I have discovered that so I would tru
		<i>So jui i nuve uiscovereu inutso i would try</i>