Term 1	Term 2	Term 3
Number and place value	Addition and subtraction	Addition and subtraction
 <u>count from 0 in multiples of 100; find 10 or 100 more or</u> 	 add and subtract numbers mentally, including: 	 add and subtract numbers mentally, including:
less than a given number	 a three-digit number and ones 	 a three-digit number and ones
 recognise the place value of each digit in a three-digit 	 a three-digit number and tens 	 a three-digit number and tens
number (hundreds, tens, ones)	 a three-digit number and hundreds 	 a three-digit number and hundreds
• compare and order numbers up to 1000	 add and subtract numbers with up to three digits 	 add and subtract numbers with up to three digits, using
 identify, represent and estimate numbers using different 	 estimate the answer to a calculation and use inverse 	formal written methods of columnar addition and subtraction
representations	operations to check answers	 estimate the answer to a calculation and use inverse
 read and write numbers up to 1000 in numerals and in words 	• solve problems, including missing number problems, using number	operations to check answers
 solve number problems and practical problems involving these 	facts, place value, and more complex addition and subtraction	• solve problems, including missing number problems, using number
ideas		facts, place value, and more complex addition and subtraction
Addition and subtraction	Measurement	
 add and subtract numbers mentally, including: 	 measure, compare, add and subtract: lengths (m / cm / 	Measurement
 a three-digit number and ones 	mm); mass (kg / g); volume / capacity (I / ml)	 measure, compare, add and subtract: lengths (m / cm /
 a three-digit number and tens a three-digit number and tens 	 add and subtract amounts of money to give change, 	mm); mass (kg / g); volume / capacity (l / ml)
 a three-digit number and tens a three-digit number and hundreds 	using both \pounds and p in practical contexts	• add and subtract amounts of money to give change, using both £
 add and subtract numbers with up to three digits 		and p in practical contexts
 <u>add and subtract numbers with up to three digits</u> <u>estimate the answer to a calculation and use inverse</u> 		 record and compare time in terms of seconds, minutes and hours;
operations to check answers	Statistics	use vocabulary such as o'clock, a.m. / p.m., morning, afternoon,
 solve problems, including missing number problems, using number 	 interpret and present data using bar charts, pictograms 	noon and midnight
facts, place value, and more complex addition and subtraction	and tables	 know the number of seconds in a minute and the number of days in
Tacis, place value, and more complex addition and subtraction	 solve one-step and two-step questions [for example, 	each month, year and leap year
Measurement	'How many more?' and 'How many fewer?'] using	 compare durations of events, [for example, to calculate the time
 measure, compare, add and subtract: lengths (m / cm / 	information presented in scaled bar charts and	taken by particular events or tasks]
mm); mass (kg / g); volume / capacity (I / mI)	pictograms and tables.	
 add and subtract amounts of money to give change, using both £ 	Number and place value	Statistics
and p in practical contexts	 identify, represent and estimate numbers using different 	 interpret and present data using bar charts, pictograms
and p in practical contexts	representations	and tables
		 solve one-step and two-step questions [for example, 'How many
Statistics	Fractions	more?' and 'How many fewer?'] using information presented in
 interpret and present data using bar charts, pictograms and tables 	 count up and down in tenths; recognise that tenths 	scaled bar charts and pictograms and tables.
 solve one-step and two-step questions [for example, 	arise from dividing an object into 10 equal parts and in	Number and place value
"How many more?' and 'How many fewer?'] using	dividing one-digit numbers or quantities by 10	 identify, represent and estimate numbers using different
information presented in scaled bar charts and	 recognise and use fractions as numbers: unit fractions 	representations
pictograms and tables.	and non-unit fractions with small denominators	· · · · · · · · · · · · · · · · · · ·
Number and place value	 add and subtract fractions with the same denominator 	Fractions
 count from 0 in multiples of 4, 8, 50 and 100 	within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$]	 count up and down in tenths; recognise that tenths arise
	 <u>compare and order unit fractions and fractions with the</u> 	from dividing an object into 10 equal parts and dividing
Multiplication and division	same denominator	one-digit numbers or quantities by 10
•	 solve problems that involve all of the above. 	 recognise and use fractions as numbers: unit fractions and non-unit
recall and use multiplication and division facts for the 3.	Number and place value	fractions with small denominators
4 and 8 multiplication tables	 count from 0 in multiples of 4, 8, 50 and 100 	 recognise and show, using diagrams, equivalent fractions with
		small denominators
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- write and calculate mathematical statements for multiplication and division using the multiplication tables that they know
- solve problems, including missing number problems, involving multiplication and division including positive integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects.

Geometry: properties of shapes

 draw 2-D shapes, and make 3-D shapes using modeling materials; 3-D shapes in different orientations and describe them

Geometry: position and direction

- recognise that angles are a property of shape or a description of a turn
- identify right angles, recognise that two right angles make a halfturn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle

Number and place value

- count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number
- recognise the place value of each digit in a three-digit number (hundreds, tens, ones)
- compare and order numbers up to 1000
- identify, represent and estimate numbers using different representations
- read and write numbers up to 1000 in numerals and in words
- solve number problems and practical problems involving these ideas

Measurement

- tell and write the time from an analogue clock, including using Roman numerals from I to XII and 12-hour and 24-hour clocks
- measure, compare, add and subtract: lengths (m / cm / mm); mass (kg / g); volume / capacity (l / ml)

Fractions

• count up and down in tenths, recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.

Multiplication and division

- recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
- write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers
- solve problems, including missing number problems, involving multiplication and division including positive integer scaling problems and correspondence problems in which n objects are connected to m objects

Fractions

- count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10
- recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators
- solve problems that involve all of the above.

Geometry: properties of shapes

- draw 2-D shapes, and make 3-D shapes using modeling materials; recognise 3-D shapes in different orientations and describe them
- recognise that angles are a property of shape or a description of a turn
- identify right angles, recognise that two right angles make a halfturn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle
- identify horizontal and vertical lines and pairs of perpendicular and parallel lines.

Number and place value

- count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number
- recognise the place value of each digit in a three-digit number (hundreds, tens, ones)
- compare and order numbers up to 1000
- identify, represent and estimate numbers using different representations
- read and write numbers up to 1000 in numerals and in words
- solve number problems and practical problems involving these ideas

Measurement

- add and subtract fractions with the same denominator within one whole [for example, ⁵/₇ + ¹/₇ = ⁶/₇]
- compare and order unit fractions and fractions with the same denominator.
- solve problems that involve all of the above.

Number and place value

• count from 0 in multiples of 4, 8, 50 and 100

Multiplication and division

- recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
- write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
- solve problems, including missing number problems, involving multiplication and division; solve positive integer scaling problems and correspondence problems in which n objects are connected to m objects.

Fractions

- count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10
- recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators
- solve problems that involve all of the above.

Measurement

• know the number of seconds in a minute and the number of days in each month, year and leap year.

Geometry: properties of shape

- recognise that angles are a property of shape or a description of a turn
- identify right angles, recognise that two right angles make a halfturn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle
- identify horizontal and vertical lines and pairs of perpendicular and parallel lines
- measure the perimeter of simple 2-D shapes.

 tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks estimate and read time with increasing accuracy to the nearest minute: record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m. / p.m., morning, afternoon, noon and midnight know the number of seconds in a minute and the number of days in 	
 know the number of seconds in a minute and the number of days in each month, year and leap year compare durations of events. [for example, to calculate the time taken by particular events or tasks] Statistics interpret and present data using bar charts, pictograms and tables. 	