

Year 3 Term 1

PLEASE NOTE: ASSESSMENT WEEKS ARE SUBJECT TO CHANGE WITHIN THE TERM BUT THE PROGRESSION WILL NOT ALTER

Number - number and place value (3 weeks)

- Count in 50 and 100;
- find 10 or 100 more or less than a given number
- recognise the place value of each digit in a 3-digit number (100s, 10s, 1s)
- compare and order numbers up to 1,000
- identify, represent and estimate numbers using different representations
- read and write numbers up to 1,000 in numerals and in words
- solve number problems and practical problems involving these ideas

Number - addition and subtraction (3 weeks)

- add and subtract numbers mentally, including:
 - a three-digit number and 1s
 - a three-digit number and 10s
 - a three-digit number and 100s
- add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction
- estimate the answer to a calculation and use inverse operations to check answers
- solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction

Mental oral starter	Shape 2d and 3d draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them	Measure lengths (m/cm/mm)(add and subtract); measure the perimeter of simple 2-D shapes	Measure measure, compare, add and subtract: mass (kg/g); volume/capacity (l/ml)	Data interpret and present data using bar charts, pictograms and tables	Time tell and write the time from an analogue clock,	Time tell and write the time from an analogue clock,
Counting stick	2s	10s	5s	3s	3s	3s
Main focus	Place Value numbers and the number system	Place Value numbers and the number system	Place Value Counting and comparing	Addition and Subtraction	Addition and Subtraction	Addition and Subtraction Estimating, inverse, solving problems including missing number.

Term 2

Number - multiplication and division (3 weeks)

- 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, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects

Measurement (2 weeks)

- 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, am/pm, morning, afternoon, noon and midnight
- 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]

Mental oral starter Moonwalk maths	Money recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value	Fractions recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity	Fractions write simple fractions, for example $\frac{1}{2}$ of $6 = 3$ and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$	Assessment week	Place value recognise the place value of each digit in a 3-digit number (100s, 10s, 1s)	Place value compare and order numbers up to 1,000	Place value read and write numbers up to 1,000 in numerals and in words
Counting stick	4s	4s	4s		4s	4s	4s
Main focus	Multiplication and division	Multiplication and division	Multiplication and division		Exploring Time	Exploring Time	Consolidation

Term 3

Geometry - properties of shapes (2 weeks)

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

Number - fractions (4 weeks)

- 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
- recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators
- recognise and show, using diagrams, equivalent fractions with small denominators
- add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$]
- compare and order unit fractions, and fractions with the same denominators
- solve problems that involve all of the above

Mental oral starter Moonwalk maths	Measure compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	Calculation problems Addition and subtraction word problems	Data interpret and present data using bar charts, pictograms and tables	Money add and subtract amounts of money to give change, using both £ and p in practical contexts	Time know the number of seconds in a minute and the number of days in each month, year and leap year	Calculation problems Multiplication and division word problems
Counting stick	8s	8s	8s	8s	8s	8s
Main focus	Geometry 2D and 3D shape	Geometry 2D and 3D shape	Fractions Recognise and find	Fractions Recognise and find equivalent	Fractions Addition and subtraction	Fractions Compare and order

Term 4

Measurement (4 weeks)

- measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
- measure the perimeter of simple 2-D shapes
- add and subtract amounts of money to give change, using both £ and p in practical contexts

Number - Addition and subtraction/multiplication and division (1 week)

- solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction
- 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

Mental oral starter Moonwalk maths	Calculation problems +/-	Fractions add and subtract fractions with the same denominator within one whole [for $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$ example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$]	Fractions compare and order unit fractions, and fractions with the same denominators	Assessment week	Place value recognise the place value of each digit in a 3-digit number (100s, 10s, 1s) compare and order numbers up to 1,000	Place Value identify, represent and estimate numbers using different representations read and write numbers up to 1,000 in numerals and in words	Calculation problems X /
Counting stick	4s	4s	4s		8s	8s	8s
Main focus	Money	Money	Calculations		Measure	Measure	Consolidation

Term 5

Number - addition and subtraction (1 week)

- **add and subtract numbers mentally, including:**
 - a three-digit number and 1s
 - a three-digit number and 10s
 - a three-digit number and 100s
- add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction
- estimate the answer to a calculation and use inverse operations to check answers
- solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction

Number - multiplication and division (1 week)

- 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, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects

Number - fractions (1 week)

- 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
- recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators
- recognise and show, using diagrams, equivalent fractions with small denominators
- add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$]
- compare and order unit fractions, and fractions with the same denominators

solve problems that involve all of the above

Statistics (2 weeks)

- interpret and present data using bar charts, pictograms and tables
- solve one-step and two-step questions [for example 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables

Mental oral starter Moonwalk maths	Shape draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them	Place value compare and order numbers up to 1,000	Measure tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	Calculation problems + -	Calculation problems X /	AFL
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Counting stick	5s	10s	4s	4s	8s	8s
Main focus	Calculations	Calculations	Fractions	Data	Data	Consolidation

Term 6

Geometry - properties of shapes (2 weeks)

- recognise angles as a property of shape or a description of a turn
- identify right angles, recognise that 2 right angles make a half-turn, 3 make three-quarters of a turn and 4 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

Mental oral starter Moonwalk maths	Time 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, am/pm, morning, afternoon, noon and midnight	Shape recognise 3-D shapes in different orientations and describe them	Data interpret and present data using bar charts, pictograms and tables	Assessment week	Money add and subtract amounts of money to give change, using both £ and p in practical contexts	Place value find 10 or 100 more or less than a given number	AFL
Counting stick	6s	6s	6s		6s	6s	6s
Main focus	Angles	Angles	Consolidation		Consolidation	Consolidation	Consolidation