



Year 3 Maths Long Term Overview

	1	2	3	4	5	6	7
HT1	Number – Place Value	Number – Place Value	Number – Place Value	Addition and Subtraction	Addition and Subtraction	Addition and Subtraction	Addition and Subtraction
HT2	Addition and Subtraction	Multiplication and Division	Multiplication and Division	Multiplication and Division	Multiplication and Division	Consolidation Week/Assessment Week	Christmas activities
HT3	Multiplication and Division	Multiplication and Division	Multiplication and Division	Measurement: Money	Statistics	Statistics	Measurement: Length and Perimeter
HT4	Measurement: Length and Perimeter	Measurement: Length and Perimeter	Fractions	Fractions	Consolidation Week/Assessment Week	-----	-----
HT5	Fractions	Fractions	Fractions	Measurement: Time	Measurement: Time	Measurement: Time	-----
HT6	Geometry: Properties of Shape	Geometry: Properties of Shape	Measurement: Mass and Capacity	Measurement: Mass and Capacity	Measurement: Mass and Capacity	Consolidation Week/Assessment Week	Summer activities



Year 3 Maths Medium Term Plan HT1

Week	Topic	Objectives to cover	Mental Maths/Recap
1.1	Number – Place Value	• Compare and order numbers up to 1000 • Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) • Read and write numbers up to 1000 in numerals and in words	
1.2	Number – Place Value	• Identify, represent and estimate numbers using different representations • Count from 0 in multiples of 100; find 10 or 100 more or less than a given number	
1.3	Number – Place Value	• Count from 0 in multiples of 100; find 10 or 100 more or less than a given number • Solve number problems and practical problems involving these ideas.	
1.4	Addition and Subtraction	• Add and subtract numbers mentally, including: – a three-digit number and ones – a three-digit number and tens – a three-digit number and hundreds	
1.5	Addition and Subtraction	• Add and subtract numbers with up to three digits, using formal written methods of columnar <u>addition</u> and subtraction	
1.6	Addition and Subtraction	• Add and subtract numbers with up to three digits, using formal written methods of columnar addition and <u>subtraction</u>	
1.7	Addition and Subtraction	• Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction • Estimate the answer to a calculation and use inverse operations to check answers	



Year 3 Maths Medium Term Plan HT2

Week	Topic	Objectives to cover	Mental Maths/Recap
2.1	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	
2.2	Multiplication and Division	Recall and use multiplication and division facts for the <u>3</u>, 4 and 8 multiplication tables.	
2.3	Multiplication and Division	Recall and use multiplication and division facts for the 3, <u>4</u> and 8 multiplication tables.	
2.4	Multiplication and Division	Recall and use multiplication and division facts for the 3, 4 and <u>8</u> multiplication tables.	
2.5	Multiplication and Division	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 (<u>formal multiplication</u>)	
2.6	Consolidation Week/Assessment Week	- Assessments - Consolidation lessons on anything needing covered again	
2.7	Christmas Maths Activities	Activities covering what children have previously been learning	



Year 3 Maths Medium Term Plan HT3

Week	Topic	Objectives to cover	Mental Maths/Recap
3.1	Multiplication and Division	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 (<u>formal multiplication</u>)	
3.2	Multiplication and Division	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 (<u>formal multiplication – move onto problem solving</u>)	
3.3	Multiplication and Division	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.	
3.4	Measurement: Money	Add and subtract amounts of money to give change, using both £ and p in practical contexts	
3.5	Statistics	Interpret and present data using bar charts, pictograms and tables	
3.6	Statistics	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.	
3.7	Measurement: Length and Perimeter	Measure, compare, add and subtract: <u>lengths (m/cm/mm)</u>; mass (kg/g); volume/capacity (l/ml)	



Year 3 Maths Medium Term Plan HT4

Week	Topic	Objectives to cover	Mental Maths/Recap
4.1	Measurement: Length and Perimeter	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
4.2	Measurement: Length and Perimeter	Measure the perimeter of simple 2-D shapes.	
4.3	Fractions	- Recognise and show, using diagrams, equivalent fractions with small denominators - Compare and order unit fractions, and fractions with the same denominators	
4.4	Fractions	- Compare and order unit fractions, and fractions with the same denominators - 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	
4.5	Consolidation Week/Assessment Week	- Assessments - Consolidation lessons on anything needing covered again	



Year 3 Maths Medium Term Plan HT5

Week	Topic	Objectives to cover	Mental Maths/Recap
5.1	Fractions	• Add and subtract fractions with the same denominator within one whole [for example, $5/7 + 1/7 = 6/7$] • Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	
5.2	Fractions	• Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators • Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fraction with small denominators	
5.3	Fractions	• Solve problems that involve all of the above	
5.4	Measurement - Time	• 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].	
5.5	Measurement - 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, a.m./p.m., morning, afternoon, noon and midnight • Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	
5.6	Measurement - Time	• Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	



Year 3 Maths Medium Term Plan HT6

Week	Topic	Objectives to cover	Mental Maths/Recap
6.1	Geometry: Properties of Shape	• Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them • Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.	
6.2	Geometry: Properties of Shape	• Recognise angles as a property of shape or a description of a turn • Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle	
6.3	Measurement – Mass and Capacity	• Measure, compare, add and subtract: lengths (m/cm/mm); <u>mass (kg/g)</u>; volume/capacity (l/ml)	
6.4	Measurement – Mass and Capacity	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); <u>volume/capacity (l/ml)</u>	
6.5	Measurement – Mass and Capacity	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) – problem solving focus looking at all measurements	
6.6	Consolidation Week/Assessment Week	• Assessments • Consolidation lessons on anything needing covered again	
6.7	Summer Activities	• Activities covering what children have previously been learning	



Mental Maths Targets Year 3

Properties of Number:

- Round to the nearest 10, 100
- Use $<$ $>$ $=$ to compare numbers up to 1000
- Order numbers to 1000
- Recognise any odd and even number

Counting

- Count forwards and backwards in tenths
- Count in 50s forwards and backwards from any number
- Count in 8s forwards and backwards from any number
- Count in 4s forwards and backwards from any number
- Count in 10s forwards and backwards from any number

Number bonds

- Know number bonds to numbers to 20
- Know number pairs to 1000. Eg $400+600$
- Know pairs of numbers that add to 100

Calculation

- Add and subtract 9 and 11
- Add Hs to a 3 digit number
- Add Ts to a 3 digit number
- Add Us to a 3 digit number

Times Tables

- Know the 8 times table and division facts
- Know the 4 times table and division facts
- Know the 3 times table and division facts

Doubles and Halves

- Know doubles of multiples of 100
- Know doubles of multiples of 10
- Know halves of numbers, 2 to 100 (T number even)
- Know doubles of numbers to 100 (U number 5 or less)

Fractions

- Know fraction and decimal equivalences for halves and tenths
- Read any unit or non-unit fraction