



Year 3 Maths Expectations 2023

Place Value	Addition and Subtraction	Multiplication and Division	Fractions	Measures	Geometry	Statistics	
Use numbers to at least 1,000	Develop and extend mental methods for addition and subtraction specifically: A three digit number and 1's A three digit number and 10's A three digit number and 100's Deepen understanding of inverse operations for addition and subtraction, commutivity for addition and apply to check answers	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. Continue to build upon and develop mental calculation strategies for all tables learnt to date including using commutativity and associativity eg. $4 \times 12 \times 5 = 4 \times 5 \times 12 = 20 \times 12 = 240$	Count up & down in tenths, Recognise that tenths are from dividing an object into 10 equal parts and dividing 1-digit numbers by 10. Link to decimals in measures	Measure, compare & add and subtract measures Length (m/cm/mm) Mass (kg/g) Volume & Capacity (L/ml) Choose most appropriate to measure	Draw & make 2d & 3d shapes with diff materials Recognise 3d shapes in diff orientations & describe	Interpret and present data in bar charts, tables & pictograms	
Count from 0 in multiples of 4,8,50 and 100							
Find 10 and 100 more or less than a given number		Develop formal written methods for multiplication and division of two digit by one digit numbers	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 fractions with small denominators.	Compare & use mixed measures eg. 1kg & 200g) Find the perimeter of 2D shapes Convert with equivalents eg. 5m = 500cm	Describe & use the properties of 2d & 3d shapes: Polygons & polyhedral, Symmetrical & non-symm Length of lines Angles smaller than a right angle (acute) Greater than RA (obtuse)	Solve one step and two step problems from a range of tables, charts and pictograms eg 'how many more?' 'how many fewer?'
Recognise the place value of each digit in a three-digit number (hundreds, tens, ones).							
Compare and order numbers to 1,000		Solve multiplication and division problems leading to all four operations in context including use of bar models to represent contextual problems understanding the structures of division and missing numbers	Recognise and use fractions as numbers: unit and non unit fractions	Add and subtract amounts of money to give change, using both £ and p in practical contexts. Record £ & p separately as deci recording begins Y4	Identify horizontal and vertical lines and paris of parallel and perpendicular lines – including in shapes	Apply place value knowledge to interpret scales of 2s 5s 10s 50s 100s	
Identify, represent and estimate numbers to 1000 using different representations and partitioning in different ways							
Partition with increasing complexity eg $146 = 100 + 40 + 6$ or $146 = 130 + 16$	Add and subtract using formal columnar methods for three digit numbers	Solve problems + & - , giving change & dev fluency with coins & £	Recognise angles as a property of shape – right angles obtuse & acute	Recognise angles as a property of shape – right angles obtuse & acute			
Read and write numbers up to 1000 in numerals and in words	Reason – use bar models to represent contextual problems and structures						
Reason to using place value to place numbers on numbers lines and link to measures & scales	Reason to solve missing number problems through using inverse and commutative law	Reason to solve problems involving multiplication & division facts – eg venn diagrams	Reason to solve problems by applying known facts to scale numbers when multiplying	Reason to solve problems with 2d & 3d shapes	Reason to solve problems with 2d & 3d shapes		
Reason to make generalisations to describe patterns in multiples eg. 50's	Reason to 'prove' & 'Justify' including use of manipulatives and representations	Reason to solve problems involving multiplication & division facts – eg venn diagrams	Reason to solve problems involving multiplication & division facts – eg venn diagrams	Reason to solve problems involving multiplication & division facts – eg venn diagrams		Reason to solve problems involving multiplication & division facts – eg venn diagrams	
Reason to develop logic for examples 'I'm thinking of a number' including the concept of digital sum	Solve one and two step problems in context	Reason to solve problems involving multiplication & division facts – eg venn diagrams	Reason to solve problems involving multiplication & division facts – eg venn diagrams	Reason to solve problems involving multiplication & division facts – eg venn diagrams	Reason to solve problems involving multiplication & division facts – eg venn diagrams		
Work systematically to find 3 digit numbers for a given statement		Reason to solve problems involving multiplication & division facts – eg venn diagrams	Reason to solve problems involving multiplication & division facts – eg venn diagrams	Reason to solve problems involving multiplication & division facts – eg venn diagrams		Reason to solve problems involving multiplication & division facts – eg venn diagrams	
Solve place value problems in context		Solve correspondence problems in which M objects are connected to N objects eg 3 hats & 4 coats how many different outfits	Reason to solve problems involving multiplication & division facts – eg venn diagrams	Reason to solve problems involving multiplication & division facts – eg venn diagrams	Reason to solve problems involving multiplication & division facts – eg venn diagrams		
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