



Maths objectives Year 3

Autumn Term

Autumn Term	Objectives taught – small steps
<p>Number Place Value</p>	<ul style="list-style-type: none"> • Represent numbers to 100 • Partition numbers to 100 • Show numbers to 100 on a number line • Represent numbers to 1000 • Partition numbers to 1000 • Understand hundreds, tens and ones • Find 1, 10 or 100 more or less than a number • Estimate numbers on a number line. • Compare numbers to 1000 • Order numbers to 1000 • Count in steps of 50
<p>Number Addition and subtraction</p>	<ul style="list-style-type: none"> • Apply number bonds within 10 • Add and subtract 1's • Add and subtract 10's • Add and subtract 100's • Add 1's across a 10 • Add 10's across 100 • Subtract 1's across a 10 • Subtract 10's across 100 • Add 2 numbers no exchanging • Subtract 2 numbers no exchange • Add 2 numbers across a ten • Add 2 numbers across 100 • Subtract 2 numbers across a 10 • Subtract 2 numbers across 100 • Add 2 3 digit numbers • Subtract a 2 digit number from a 3 digit number • Estimate an answer • Use the inverse to check answers • Make decisions
<p>Number Multiplication and division.</p>	<ul style="list-style-type: none"> • Understand multiplication uses equal groups • Arrays • Multiples of 2 • Multiples of 5 and 10 • Sharing and grouping • Multiplying by 3 • Dividing by 3 • 3 times table • Multiply by 4 • Divide by 4

	<ul style="list-style-type: none">• 4 times table• Multiply by 8• Divide by 8• 8 times table• 2,4 and 8 times table.
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Maths objectives Year 4

Autumn Term

Autumn Term	Objectives taught – small steps
Number place value	<ul style="list-style-type: none"> • Represent numbers to 1000 • Partition numbers to 1000 • Number lines to 1000 • 1000's • Represent numbers to 10,000 • Partition numbers to 10,000 • Flexible partitioning of numbers to 10,000 • Find 1,10,100,1000 more or less than numbers. • Number lines to 10,000 • Estimate on a number line to 10,000 • Compare numbers to 10,000 • Order numbers to 10,000 • Roman Numerals • Round to the nearest 10 • Round to the nearest 100 • Round to the nearest 1000 • Round to the nearest 10,100 or 1000
Number Addition and subtraction	<ul style="list-style-type: none"> • Add and subtract 1's, 10's, 100's and 1000's. • Add up to 4 2 digit numbers with no exchanging • Add 2 4 digit numbers 1 exchange • Add 2 4 digit numbers more than 1 exchange • Use an efficient subtraction strategy • Estimate answers • Check using the inverse
Measurement Area	<ul style="list-style-type: none"> • What is area? • Calculate area counting squares • Make shapes with given areas • Compare areas
Number Multiplication and division	<ul style="list-style-type: none"> • Multiples of 3 • Multiply and divide by 6 • 6 times table and division facts • Multiply and divide by 9 • 9 times table and division facts • 3.6 and 9 times tables • Multiply and divide by 7 • 7 times tables and division facts • 11 times tables and division facts • 12 times tables and division facts • Multiply by 1 and 0 • Divide a number by 1 and itself • Multiply 3 numbers



Maths objectives Year 5

Autumn Term

Autumn Term	Objectives – small steps
Number – place value	<ul style="list-style-type: none"> • Roman numerals to 1000 • Numbers to 10,000 • Numbers to 100,000 • Numbers to 1,000,000 • Read and write numbers to 1,000,000 • Calculate 1,10,100,1000,10,000,100,000,1,000,000 more or less • Partition numbers to 1,000,000 • Number line to 1,000,000 • Compare and order numbers to 100,000 • Compare and order numbers to 1,000,000 • Round to the nearest 10,100,1000 • Round within 100,000 • Round within 1,000,000
Number Addition and subtraction	<ul style="list-style-type: none"> • Mental strategies • Add whole numbers with more than 4 digits • Subtract whole numbers with more than 4 digits • Round to check answers • Inverse operation • Multi-step problems • Compare calculations • Calculate missing numbers
Number Multiplication and division A	<ul style="list-style-type: none"> • Multiples • Common multiples • Factors • Common factors • Prime numbers • Square numbers • Cube numbers • Multiply by 10,100 and 1000 • Divide by 10,100 and 1000 • Multiples of 10,100 and 1000
Number Fractions A	<ul style="list-style-type: none"> • Find fractions equivalent to a unit fraction • Find fractions equivalent to a non-unit fraction • Recognise equivalent fractions • Convert improper fractions to mixed numbers • Convert mixed numbers to improper fractions • Compare fractions less than 1 • Order fractions less than 1 • Compare and order fractions greater than 1 • Add and subtract fractions with the same denominator

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| | <ul style="list-style-type: none">• Add fractions within 1• Add fractions with a total greater than 1• Add to a mixed number• Add 2 mixed numbers• Subtract fractions• Subtract from a mixed number• Subtract from a mixed number breaking the whole.• Subtract 2 mixed numbers |
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Maths objectives Year 5

Autumn Term

Autumn Term	Objectives – small steps
Number Place value	<ul style="list-style-type: none"> • Numbers to 1,000,000 • Numbers to 10,000,000 • Read and write numbers to 10,000,000 • Number lines to 10,000,000 • Compare and order any integer • Round any integer • Negative numbers
Number Addition, subtraction, multiplication and division	<ul style="list-style-type: none"> • Add and subtract integers • Common factors • Common multiples • Rules of divisibility • Primes to 100 • Square and cube numbers • Multiply up to a 4 digit number by a 2 digit number • Solve problems with multiplication • Short division • Division using factors • Long division • Long division with remainders • Solve problems with division • Solve multi-step problems • Order operations • Mental calculations and estimation • Reason from known facts
Number Fractions	<ul style="list-style-type: none"> • Multiply fractions by integers • Multiply fractions by fractions • Divide a fraction by an integer • Divide any fraction by any integer • Fractions of an amount • Fractions of an amount – find the whole.
Measurements Converting units	<ul style="list-style-type: none"> • Metric measures • Convert metric measures • Calculations with metric measures • Miles and kilometres • Imperial measures

