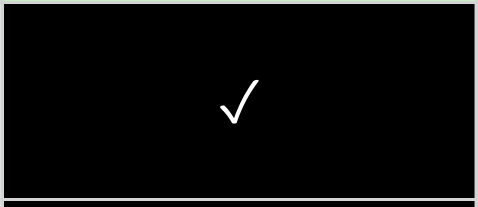
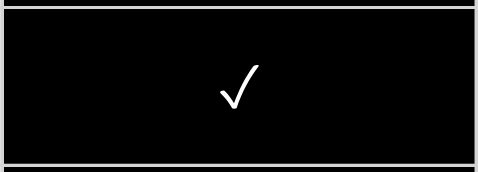
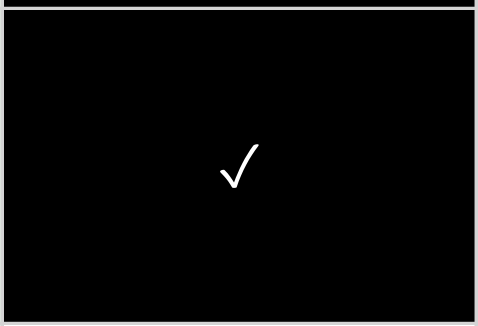
Year 1 Maths	
National curriculum statement	Unit 1 **Counting, recognising and comparing numbers 0 - 10**
	Go to unit resources
Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number	
Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens	
Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), the number line, and use the language of: equal to, more than, less than (fewer), most, least	
Given a number, identify one more and one less	
Read and write numbers from 1 to 20 in numerals and words	
Compare, describe and solve practical problems for: -lengths and heights [for example, long/short, longer/shorter, tall/short, double/half] -mass/weight [for example, heavy/light, heavier than, lighter than] -capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] -time [for example, quicker, slower, earlier, later]	
Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs	

Represent and use number bonds and related subtraction facts within 20	
Recognise and name common 2-D and 3-D shapes, including: -2-D shapes [for example, rectangles (including squares), circles and triangles] -3-D shapes [for example, cuboids (including cubes), pyramids and spheres].	
Describe position, direction and movement, including whole, half, quarter and threequarter turns.	
Add and subtract one-digit and two-digit numbers to 20, including zero	
Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = [] – 9.	
Measure and begin to record the following: -lengths and heights -mass/weight -capacity and volume -time (hours, minutes, seconds)	
Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.	
Recognise and know the value of different denominations of coins and notes	
Recognise, find and name a half as one of two equal parts of an object, shape or quantity.	
Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.	

Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]	
Recognise and use language relating to dates, including days of the week, weeks, months and years	
Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.	

Unit 2 **Counting to and from 20**	Unit 3 **Counting in tens - decade numbers**
Go to unit resources	Go to unit resources
✓	✓
✓	✓
✓	✓
✓	
✓	

Unit 4 **Pattern in counting from 20 to 100**	Unit 5 **Comparing quantities - part part whole relationships**
Go to unit resources	Go to unit resources
✓	
✓	
✓	✓
	✓
	✓

Unit 6 **Composition of numbers 0 to 5**	Unit 7 **Recognise, compose, decompose and manipulate 2D and 3D shapes**
Go to unit resources	Go to unit resources
✓	

✓	
	✓
	✓

Unit 8 **Composition of numbers 6 to 10**	Unit 9 **Additive structures: addition**
Go to unit resources	Go to unit resources
✓	✓

✓	✓
✓	✓
	✓

Unit 10 **Additive structures: addition and subtraction**	Unit 11 **Addition and subtraction facts within 10**
Go to unit resources	Go to unit resources
✓	✓

✓	✓
✓	✓
✓	✓

Unit 12 **Composition of numbers 11 to 19**	Unit 13 **Numbers 0 to 20 in different contexts**
Go to unit resources	Go to unit resources
✓	
	✓

	✓
✓	✓
✓	✓
	✓

Unit 14 **Unitising and coin recognition - counting in 2s, 5s and 10s**	Unit 15 **Unitising and coin recognition - value of a set of coins**
Go to unit resources	Go to unit resources

✓	✓
✓	✓

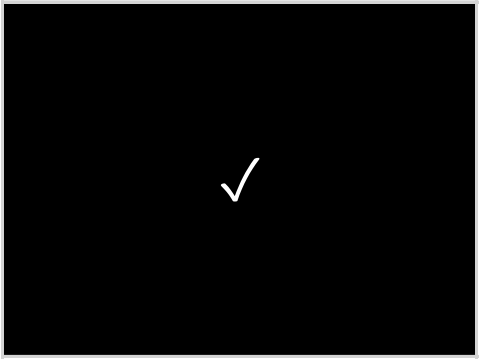
Unit 16 **Solving problems in a range of contexts**	Unit 17 **Position and direction including fractions of turns**
Go to unit resources	Go to unit resources
✓	

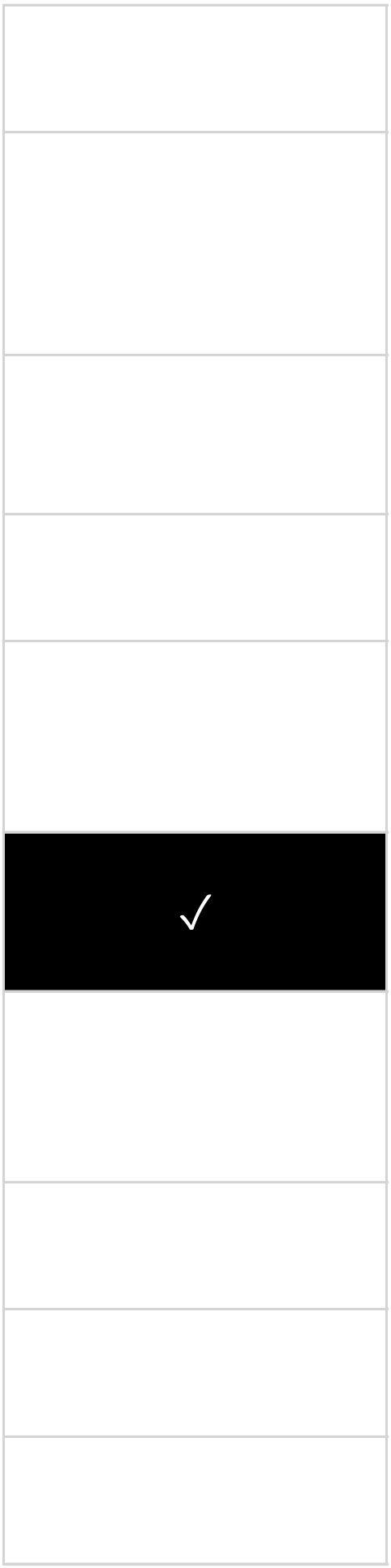
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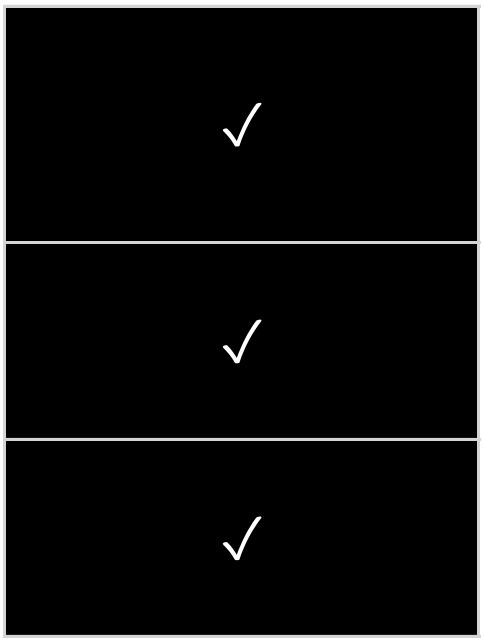
Unit 18

Time - sequencing events and telling the time to the hour and half hour

Go to unit resources







Year 2 Maths	
National curriculum statement	Unit 1 **Composition of multiples of 10**
	Go to unit resources
Recognise the place value of each digit in a two-digit number (tens, ones)	✓
Use place value and number facts to solve problems	✓
Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100	✓
Identify, represent and estimate numbers using different representations, including	
Read and write numbers to at least 100 in numerals and in words	
Compare and order numbers from 0 up to 100; use <, > and = signs	
Show that addition of 2 numbers can be done in any order (commutative) and subtraction of 1 number from another cannot	
Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods	

Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and 1s a two-digit number and 10s 2 two-digit numbers adding 3 one-digit numbers	
Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity	
Ask-and-answer questions about totalling and comparing categorical data	
Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems	
Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts	
Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and	
Show that multiplication of 2 numbers can be done in any order (commutative) and division of 1 number by another cannot	
Interpret and construct simple pictograms, tally charts, block diagrams and tables	
Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers	

Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs	
Recognise, find, name and write fractions 1/3 , 1/4 , 2/4 and 3/4 of a length, shape, set of objects or quantity	
Write simple fractions, for example 1/2 of 6 = 3 and recognise the equivalence of 2/4 and 1/2	
Identify and describe the properties of 2-D shapes, including the number of sides, and line symmetry in a vertical line	
Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces	
Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]	
Compare and sort common 2-D and 3-D shapes and everyday objects	
Order and arrange combinations of mathematical objects in patterns and sequences	
Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value	
Find different combinations of coins that equal the same amounts of money	

Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change	
Compare and sequence intervals of time	
Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times	
Know the number of minutes in an hour and the number of hours in a day	
Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)	
Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels	
Compare and order lengths, mass, volume/capacity and record the results using >, < and =	

Unit 2 **Counting and representing the numbers 20 to 99**	Unit 3 **Comparing, ordering and partitioning 2-digit numbers**
Go to unit resources	Go to unit resources
✓	
	✓
✓	
✓	✓
	✓

Unit 4 **Secure fluency of addition and subtraction facts within 10**	Unit 5 **Calculating within 20**
Go to unit resources	Go to unit resources
✓	✓
✓	✓
	✓

	✓
	✓
	✓

Unit 6 **Adding and subtracting ones and tens to and from 2-digit numbers**	Unit 7 **Grouping objects in different ways and relating to multiplication**
Go to unit resources	Go to unit resources
✓	
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Unit 8 **Representing counting in 2s, 5s and 10s as the 2, 5 and 10 times tables**	Unit 9 **Representing counting in 5s as the 5 times table and link to the 10 times tables**
Go to unit resources	Go to unit resources
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Unit 10 **Multiplying by 2, doubling and halving (factors and products)**	Unit 11 **Introduction to division structures**
Go to unit resources	Go to unit resources

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✓	
✓	

Unit 12 **Shape: discuss and compare 2D and 3D shapes**	Unit 13 **Addition and subtraction of two 2-digit numbers**
Go to unit resources	Go to unit resources
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Unit 14 **Money: recognise coins and use £ and p symbols**	Unit 15 **Fractions: identify equal parts and be familiar with halves, thirds and quarters**
Go to unit resources	Go to unit resources
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Unit 16 **Time: write and tell the time to five minutes**	Unit 17 **Position and direction**
Go to unit resources	Go to unit resources

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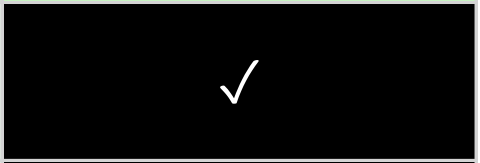
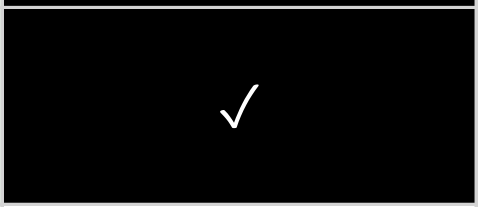
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Unit 18 **Doubling, halving, quotative and partitive division**	Unit 19 **Sense of measure - capacity, volume and mass**
Go to unit resources	Go to unit resources
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# Year 3 Maths	
National curriculum statement	Unit 1 **Review strategies for adding and subtracting across 10**
	Go to unit resources
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	
Recognise the place value of each digit in a 3-digit number (100s, 10s, 1s)	
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	
Add and subtract numbers mentally, including: a three-digit number and 1s a three-digit number and 10s a three-digit number and 100s	
Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number	
Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	

Interpret and present data using bar charts, pictograms and tables	
Compare and order numbers up to 1,000	
Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them	
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	
Add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction	
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	
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	
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	
Solve problems that involve all of the above	
Compare and order unit fractions, and fractions with the same denominators	
Add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7]	
Measure the perimeter of simple 2-D shapes	
Identify horizontal and vertical lines and pairs of perpendicular and parallel lines	
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]	

Unit 2 **Securing place value to 100 and applying to addition and subtraction**	Unit 3 **Bridging 100: counting on and back in 10s, adding/subtracting multiples of 10**
Go to unit resources	Go to unit resources
✓	
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Unit 4 **Measuring length and recording in tables**	Unit 5 **Representing 3-digit numbers, comparing and positioning on number lines**
Go to unit resources	Go to unit resources
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Unit 6 **Measures: mass and capacity**	Unit 7 **Right angles**
Go to unit resources	Go to unit resources
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Unit 8 **Informal and mental strategies for adding and subtracting two 3-digit numbers**	Unit 9 **Understand additive relationships and apply them to rearrange equations**
Go to unit resources	Go to unit resources
✓	✓
✓	✓
✓	✓

Unit 10 **Column addition**	Unit 11 **2, 4 and 8 times tables: using times tables to solve problems**
Go to unit resources	Go to unit resources
✓	
✓	
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	✓

Unit 12 **Column subtraction**	Unit 13 **Unit fractions as part of a whole**
Go to unit resources	Go to unit resources
✓	
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	✓

Unit 14 **Identify parts and wholes in different contexts**	Unit 15 **Compare and order unit fractions**
Go to unit resources	Go to unit resources

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	✓

Unit 16 **Calculate the value of a part (fractions as operators)**	Unit 17 **Non-unit fractions**
Go to unit resources	Go to unit resources

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Unit 18 **Composition of non-unit fractions: addition and subtraction**	Unit 19 **Parallel and perpendicular sides in polygons**
Go to unit resources	Go to unit resources

	✓

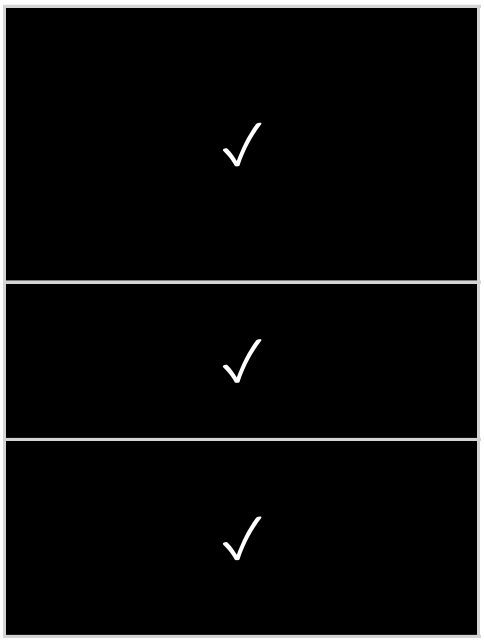
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Unit 20

Tell the time to the nearest minute and compare units of time

Go to unit resources





# Year 4 Maths	
National curriculum statement	Unit 1 **Review of column addition and subtraction**
	Go to unit resources
Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	✓
Estimate and use inverse operations to check answers to a calculation	✓
Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	✓
Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs	✓
Recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s)	
Solve number and practical problems that involve all of the above and with increasingly large positive numbers	
Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs	
Find 1,000 more or less than a given number	

Convert between different units of measure [for example, kilometre to metre; hour to minute]	
Estimate, compare and calculate different measures, including money in pounds and pence	
Identify, represent and estimate numbers using different representations	
Order and compare numbers beyond 1,000	
Round any number to the nearest 10, 100 or 1,000	
Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	
Recall multiplication and division facts for multiplication tables up to 12 × 12	
Count in multiples of 6, 7, 9, 25 and 1,000	
Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers	
Recognise and use factor pairs and commutativity in mental calculations	
Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by 1 digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects	

Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes	
Describe positions on a 2-D grid as coordinates in the first quadrant	
Describe movements between positions as translations of a given unit to the left/right and up/down	
Plot specified points and draw sides to complete a given polygon	
Recognise and show, using diagrams, families of common equivalent fractions	
Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number	
Add and subtract fractions with the same denominator	
Identify lines of symmetry in 2-D shapes presented in different orientations	
Complete a simple symmetric figure with respect to a specific line of symmetry	
Solve simple measure and money problems involving fractions and decimals to 2 decimal places	
Read, write and convert time between analogue and digital 12- and 24-hour clocks	

Solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days	

Unit 2 **Secure place value to 1000: apply to addition and subtraction: multiples of 100**	Unit 3 **Calculation and conversion of measures**
Go to unit resources	Go to unit resources
✓	✓
✓	
✓	
✓	✓
	✓

	✓
	✓

Unit 4 **Comparing, ordering and rounding 4-digit numbers**	Unit 5 **Column addition and subtraction with 4-digit numbers**
Go to unit resources	Go to unit resources
	✓
✓	
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Unit 6 **Perimeter**	Unit 7 **Represent counting in threes and sixes as the 3 and 6 times tables**
Go to unit resources	Go to unit resources
✓	

✓	
✓	
	✓

Unit 8 **Relationship between the 3 and 6 times tables and tests of divisibility**	Unit 9 **Represent counting in nines as the 9 times table**
Go to unit resources	Go to unit resources

✓	✓
✓	✓
	✓

Unit 10 **Relationship between the 3 and 9 times tables**	Unit 11 **7 times table: odd and even patterns, square numbers and tests of divisibility**
Go to unit resources	Go to unit resources

✓	✓
✓	✓
	✓

Unit 12 **Understand and represent multiplicative structures**	Unit 13 **Apply the distributive law to multiplication**
Go to unit resources	Go to unit resources

✓	✓
✓	
✓	✓

Unit 14 **Understand what happens when a number is multiplied or divided by 10 and 100**	Unit 15 **Coordinates**
Go to unit resources	Go to unit resources
✓	

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Unit 16 **Review of fractions**	Unit 17 **Composition of fractions greater than one**
Go to unit resources	Go to unit resources

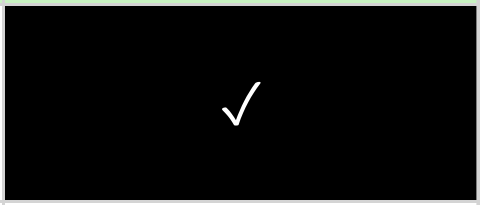
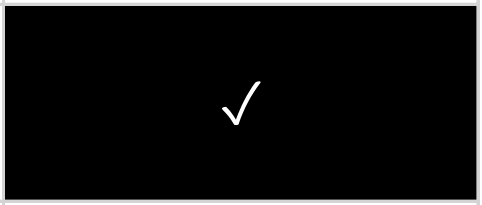
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Unit 18 **Compare and order mixed numbers and position on a number line**	Unit 19 **Addition and subtraction of fractions and mixed numbers (within a whole)**
Go to unit resources	Go to unit resources

✓	✓
	✓
	✓

Unit 20 **Convert improper fractions to mixed numbers and vice versa**	Unit 21 **Efficient strategies for adding and subtracting mixed numbers (crossing a whole)**
Go to unit resources	Go to unit resources

✓	
✓	✓
✓	✓

Unit 22 **Properties of 2D and 3D shapes and symmetry**	Unit 23 **Money: apply efficient strategies when calculating with money**
Go to unit resources	Go to unit resources
	
	

	✓

✓	
✓	
✓	
	✓

Unit 24 **Time: Convert between 12 and 24 hour clocks: analogue and digital**	Unit 25 **Division with remainders**
Go to unit resources	Go to unit resources

✓	
	✓
	✓
	✓

✓	



Year 5 Maths	
National curriculum statement	Unit 1 **Understand tenths as part of a whole, represent and calculate mentally**
	Go to unit resources
Compare and order fractions whose denominators are all multiples of the same number	✓
Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign	
Solve comparison, sum and difference problems using information presented in a line graph	
Complete, read and interpret information in tables, including timetables	
Round decimals with 2 decimal places to the nearest whole number and to 1 decimal place	
Read, write, order and compare numbers with up to 3 decimal places	
Convert between different units of metric measure [for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre]	

Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0	
Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers	
Multiply and divide numbers mentally, drawing upon known facts	
Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context	
Calculate and compare the area of rectangles (including squares), including using standard units, square centimetres (cm^2) and square metres (m^2), and estimate the area of irregular shapes	
Identify multiples and factors, including finding all factor pairs of a number, and common factors of 2 numbers	
Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000	
Solve problems involving converting between units of time	
Solve problems involving number up to 3 decimal places	
Recognise and use square numbers and cube numbers, and the notation for squared (^{2}) and cubed (^{3})	

Estimate volume [for example, using 1 cm^3 blocks to build cuboids (including cubes)] and capacity [for example, using water]	
Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling	
Identify 3-D shapes, including cubes and other cuboids, from 2-D representations	
Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes	
Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers	
Establish whether a number up to 100 is prime and recall prime numbers up to 19	
Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams	
Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates	
Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths	
Read and write decimal numbers as fractions [for example, 0.71 = 71/100]	

Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents	
Solve problems which require knowing percentage and decimal equivalents of 1/2 , 1/4 , 1/5 , 2/5 , 4/5 and those fractions with a denominator of a multiple of 10 or 25	
Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints	
Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles	
Draw given angles, and measure them in degrees (°)	
Identify: angles at a point and 1 whole turn (total 360°) angles at a point on a straight line and half a turn (total 180°) other multiples of 90° use the properties of rectangles to deduce related facts and find missing lengths and angles distinguish between regular and irregular polygons based on reasoning about equal sides and angles	

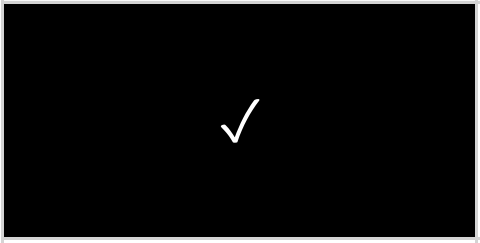
Unit 2 **Compose and calculate with decimals including column addition and subtraction**	Unit 3 **Understand hundredths as parts of a whole and represent**
Go to unit resources	Go to unit resources
✓	
	✓
	✓

Unit 4 **Use knowledge of decimals to solve problems in different contexts: length**	Unit 5 **Negative numbers**
Go to unit resources	Go to unit resources
✓	
	✓
	✓
✓	
✓	
✓	

	✓

Unit 6 **Multiplication by partitioning leading to short multiplication (2 by 1-digit)**	Unit 7 **Multiplication by partitioning leading to short multiplication (3 by 1-digit)**
Go to unit resources	Go to unit resources
✓	✓

	✓

Unit 8 **Division by partitioning leading to short division (2 and 3-digits by 1-digit)**	Unit 9 **Understand the concept of area**
Go to unit resources	Go to unit resources
	

✓	
✓	
	✓

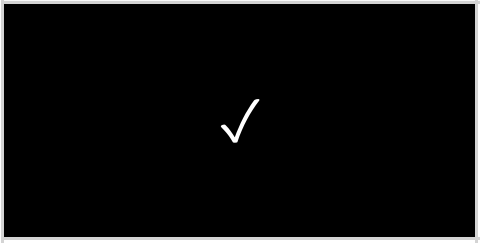
Unit 10 **Link area of rectangles to multiplication**	Unit 11 **Compare and describe measurements using knowledge of multiplication and division**
Go to unit resources	Go to unit resources
	✓
	✓
	✓

✓	
✓	
✓	
	✓
	✓

Unit 12 **Calculating with decimal fractions**	Unit 13 **Understand the concept of volume**
Go to unit resources	Go to unit resources
✓	

✓	
✓	
	✓

	✓
	✓
	✓

Unit 14 **Multiply 3 or more numbers (commutative and associative laws)**	Unit 15 **Understand and use the concept of factorisation (square and prime numbers)**
Go to unit resources	Go to unit resources
	

✓	✓
	✓
✓	

✓	✓
	✓
	✓

Unit 16 **Use common factors and multiples to solve calculations efficiently**	Unit 17 **Multiply a proper fraction by a whole number**
Go to unit resources	Go to unit resources

✓	
✓	
✓	

✓	
✓	
✓	
	✓

Unit 18 **Multiply improper fractions and mixed numbers by a whole number**	Unit 19 **Find unit and non-unit fractions of whole numbers exploring parts and wholes**
Go to unit resources	Go to unit resources

✓	✓
	✓

Unit 20 **Comparing fractions using equivalence and decimals**	Unit 21 **Converting units**
Go to unit resources	Go to unit resources
✓	
✓	
	✓

	✓
	✓

✓	
✓	

✓	
✓	
	✓

Unit 22

Angles: compare, name, estimate and measure angles

Go to unit resources

✓
✓
✓

Year 6 Maths	
National curriculum statement	Unit 1 **Use knowledge of part-part-whole structure to solve additive problems**
	Go to unit resources
Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	✓
Perform mental calculations, including with mixed operations and large numbers	✓
Solve problems involving addition, subtraction, multiplication and division	✓
Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy	✓
Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit	
Round any whole number to a required degree of accuracy	
Solve number and practical problems that involve all of the above	
Interpret and construct pie charts and line graphs and use these to solve problems	
Recognise that shapes with the same areas can have different perimeters and vice versa	

Recognise when it is possible to use formulae for area and volume of shapes	
Calculate the area of parallelograms and triangles	
Draw 2-D shapes using given dimensions and angles	
Recognise, describe and build simple 3-D shapes, including making nets	
Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons	
Identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places	
Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication	
Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context	
Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context	
Identify common factors, common multiples and prime numbers	

Use their knowledge of the order of operations to carry out calculations involving the 4 operations	
Use simple formulae	
Describe positions on the full coordinate grid (all 4 quadrants)	
Draw and translate simple shapes on the coordinate plane, and reflect them in the axes	
Use common factors to simplify fractions; use common multiples to express fractions in the same denomination	
Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions	
Compare and order fractions, including fractions >1	
Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, 1/4 × 1/2 = 1/8]	
Divide proper fractions by whole numbers [for example, 1/3 ÷ 2 = 1/6]	
Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, 3/8]	
Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts	

Solve problems involving the calculation of percentages [for example, of measures and such as 15% of 360] and the use of percentages for comparison	
Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius	
Solve problems involving the relative sizes of 2 quantities where missing values can be found by using integer multiplication and division facts	
Solve problems involving similar shapes where the scale factor is known or can be found	
Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples	
Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3 decimal places	
Convert between miles and kilometres	
Generate and describe linear number sequences	
Express missing number problems algebraically	
Find pairs of numbers that satisfy an equation with 2 unknowns	
Enumerate possibilities of combinations of 2 variables	

Calculate and interpret the mean as an average	

Unit 2 **Use equivalence and compensation to simplify and solve addition calculations**	Unit 3 **Use equivalence and compensation to simplify and solve subtraction problems**
Go to unit resources	Go to unit resources
✓	✓
✓	✓
✓	✓
✓	✓

Unit 4 **Multiples of 1,000**	Unit 5 **Understand place value within numbers with up to 7 digits**
Go to unit resources	Go to unit resources
✓	✓
✓	✓
✓	✓
✓	

Unit 6 **Order, compare and calculate with numbers up to 8 digits**	Unit 7 **Rounding and solving problems with numbers up to 7 digits**
Go to unit resources	Go to unit resources
✓	
✓	
✓	✓
✓	✓
✓	✓

Unit 8 **Draw, compose and decompose shapes**	Unit 9 **Using equivalence to calculate**
Go to unit resources	Go to unit resources
✓	

✓	
✓	
✓	
✓	
✓	
	✓

Unit 10 **Multiplying and dividing by 2-digit numbers**	Unit 11 **Area, perimeter, position and direction**
Go to unit resources	Go to unit resources
✓	
	✓

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	✓
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	✓
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	✓

Unit 12 **Addition and subtraction of fractions**	Unit 13 **Comparing fractions**
Go to unit resources	Go to unit resources

✓	
✓	
	✓

Unit 14 **Multiplication and division of fractions**	Unit 15 **Understanding percentages**
Go to unit resources	Go to unit resources

✓	
✓	
✓	✓
	✓

	✓

Unit 16 **Statistics**	Unit 17 **Ratio and proportion**
Go to unit resources	Go to unit resources
✓	

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	✓
	✓
	✓
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	✓

Unit 18 **Calculating using knowledge of equivalence in addition and subtraction**	Unit 19 **Solving problems with two unknowns**
Go to unit resources	Go to unit resources

✓	
✓	
	✓
	✓

Unit 20 **Order of operations**	Unit 21 **Mean average**
Go to unit resources	Go to unit resources
✓	✓

✓	

✓	

	✓