**Weekly allocation of topics for Year 4**

The following table is a possible allocation for the programme of study for Year 4 across 36 weeks of the school year (Weeks 37 and 38 have no work allocated to them but can be used for remediation and revision activities).

It is guaranteed that the suggested progression will not work for any individual class. It is for the teacher to ensure pupils make smooth and steady progress by drawing on the materials as they see fit. This means that work can be repeated or amplified as appropriate or work can be brought forward as necessary.

Reminders are included throughout the programme for Year 4 that it is for the teacher to provide practice of written calculations for number work, and for applying pupils’ knowledge to measures, including length, mass/weight, volume/capacity, temperature and money. Although examples are given, teachers will need either to write their own exercises or draw them from other sources.

Topics printed in back have suggested teaching programmes within this document. Those printed in red must be planned for by the teacher.

Each heading in the table below is a hyperlink. By pressing [Ctrl] and clicking on the heading you will be taken to the relevant teaching programme.

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| ***Week*** | ***Topics*** |
|  | ***No.*** | ***Title*** |
| 1 | 160165169168166 | Understand the number system up to at least 10 000Count in multiples of 1000 (up to 10 000) [Weeks 1, 2]Order and compare numbers beyond 1000Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)Find 1000 more or less than a given number  |
| 2 | 166165164175177 | Find 1000 more or less than a given numberCount in multiples of 1000 (up to 10 000) [Weeks 1, 2]Count in multiples of 25Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriateSolve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why |
| 3 | 165175177 | Count in multiples of 1000 (up to 10 000) [Weeks 1, 2]Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriateSolve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why |
| 4 | 198199200177 | Understand and use kilometre (km), metre (m), centimetre (cm), millimetre (mm)Understand and use litre (l), centilitre (cl), millilitre (ml)Understand and use kilogram (kg), gram (g)Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why |
| 5 | 198199200174177 | Understand and use kilometre (km), metre (m), centimetre (cm), millimetre (mm) [Weeks 4, 5]Understand and use litre (l), centilitre (cl), millilitre (ml) [Weeks 4, 5]Understand and use kilogram (kg), gram (g) [Weeks 4, 5]Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place valueSolve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why |
| 6 | 215216 | Interpret and present discrete and continuous data using appropriate graphical methods, including bar and time graphsSolve comparison, sum and difference problems, using information presented in bar charts, pictograms, tables and other graphs |
| 7 |  | Assessment Week 1 – Revise previous Learning Objectives |
| 8 | 177178176 | Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and whyPractise both mental methods and formal methods, always opting for mental methods where these are possible and manageable [this is drawn from the non-statutory guidance]Estimate and use inverse operations to check answers to a calculation |
| 9 | 161163162179180184 | Count in multiples of 6Count in multiples of 9Count in multiples of 7Recall multiplication and division facts for multiplication tables up to 12 × 12Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbersSolve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit |
| 10 | 179177184203 | Recall multiplication and division facts for multiplication tables up to 12 × 12Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and whySolve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digitMeasure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres |
| 11 | 179167215216 | Recall multiplication and division facts for multiplication tables up to 12 × 12Count backwards through zero to include negative numbersInterpret and present discrete and continuous data using appropriate graphical methods, including bar and time graphsSolve comparison, sum and difference problems, using information presented in bar charts, pictograms, tables and other graphs |
| 12 | 179180203204 | Recall multiplication and division facts for multiplication tables up to 12 × 12Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbersMeasure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metresFind the area of rectilinear shapes by counting squares |
| 13 | 179180181184204 | Recall multiplication and division facts for multiplication tables up to 12 × 12Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbersRecognise and use factor pairs and commutativity in mental calculationsSolve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digitFind the area of rectilinear shapes by counting squares [Weeks 11, 12, 36] |
| 14 |  | Assessment Week 2 – Revise previous Learning Objectives |
| 15 | 181187190189 | Recognise and use factor pairs and commutativity in mental calculationsRecognise and show, using diagrams, families of common equivalent fractionsAdd and subtract fractions with the same denominatorSolve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number |
| 16 | 181189 | Recognise and use factor pairs and commutativity in mental calculationsSolve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number |
| 17 | 191192197 | Recognise and write decimal equivalents of any number of tenths or hundredthsRecognise and write decimal equivalents to ¼, ½, ¾Solve simple measure and money problems involving fractions and decimals to two decimal places |
| 18 | 193201206 | Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredthsUnderstand and use hour, minute, secondRead, write and convert time between analogue and digital 12- and 24-hour clocks |
| 19 | 206202177178 | Read, write and convert time between analogue and digital 12- and 24-hour clocksConvert between different units of measureSolve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and whyPractise both mental methods and formal methods, always opting for mental methods where these are possible and manageable [this is drawn from the non-statutory guidance] |
| 20 |  | Assessment Week 3 – Revise previous Learning Objectives |
| 21 | 202215216 | Convert between different units of measureInterpret and present discrete and continuous data using appropriate graphical methods, including bar and time graphsSolve comparison, sum and difference problems, using information presented in bar charts, pictograms, tables and other graphs |
| 22 | 208209 | Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizesIdentify acute and obtuse angles and compare and order angles up to two right angles by size |
| 23 | 171170215 | Round any number to the nearest 10, 100 or 1000Identify, represent and estimate numbers using different representationsInterpret and present discrete and continuous data using appropriate graphical methods, including bar and time graphs |
| 24 | 208209210211 | Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizesIdentify acute and obtuse angles and compare and order angles up to two right angles by sizeIdentify lines of symmetry in 2-D shapes presented in different orientationsComplete a simple symmetric figure with respect to a specific line of symmetry |
| 25 |  | Assessment Week 4 – Revise previous Learning Objectives |
| 26 | 179205207 | Recall multiplication and division facts for multiplication tables up to 12 × 12Estimate, compare and calculate different measures, including money in pounds and penceSolve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days |
| 27 | 179183 | Recall multiplication and division facts for multiplication tables up to 12 × 12Divide two and three-digit numbers using formal (short division) methods, with exact answers [This is drawn from the non-statutory guidance] |
| 28 | 179183185 | Recall multiplication and division facts for multiplication tables up to 12 × 12Divide two and three-digit numbers using formal (short division) methods, with exact answers [This is drawn from the non-statutory guidance]Write statements about the equality of expressions, using the distributive law, using brackets appropriately [This is drawn from the non-statutory guidance] |
| 29 | 179185186188 | Recall multiplication and division facts for multiplication tables up to 12 × 12Write statements about the equality of expressions, using the distributive law, using brackets appropriately [This is drawn from the non-statutory guidance]Solve integer scaling problems and harder correspondence problems such as n objects are connected to m objectsCount up and down in hundredths; recognise that hundredths arise when dividing and object by one hundred and dividing tenths by ten |
| 30 | 179188194193 | Recall multiplication and division facts for multiplication tables up to 12 × 12Count up and down in hundredths; recognise that hundredths arise when dividing and object by one hundred and dividing tenths by tenRound decimals with one decimal place to the nearest whole numberFind the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths |
| 31 |  | Assessment Week 5 – Revise previous Learning Objectives |
| 32 | 193195196197 | Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredthsCompare numbers with the same number of decimal places up to two decimal placesWrite measures, including money, length, weight and volume, involving mixed units, correctly, using decimal notationSolve simple measure and money problems involving fractions and decimals to two decimal places |
| 33 | 196197195203 | Write measures, including money, length, weight and volume, involving mixed units, correctly, using decimal notationSolve simple measure and money problems involving fractions and decimals to two decimal placesCompare numbers with the same number of decimal places up to two decimal placesMeasure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres [Perimeters f rectilinear shapes, calculated as (2 x a) + (2 x b), where a and b are written in decimal notation] |
| 34 | 202212213214207 | Convert between different units of measure [Weeks 17, 18, 29, 35]Convert between different units of measureDescribe movements between positions as translations of a given unit to the left/right and up/downPlot specified points and draw sides to complete a given polygonSolve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days |
| 35 | 182183 | Multiply two-digit and three-digit numbers by a one-digit number using formal written layoutDivide two and three-digit numbers using formal (short division) methods, with exact answers [This is drawn from the non-statutory guidance] |
| 36 | 182183197 | Multiply two-digit and three-digit numbers by a one-digit number using formal written layoutDivide two and three-digit numbers using formal (short division) methods, with exact answers [This is drawn from the non-statutory guidance]Solve simple measure and money problems involving fractions and decimals to two decimal places |
| 37 |  | Assessment Week 6 – Revise previous Learning Objectives |
| 38 | 172173194191 | Solve number and practical problems involving knowledge of the number system to 10,000 and with increasingly large positive numbersUnderstand and use decimal notation for measures and moneyRound decimals with one decimal place to the nearest whole numberRecognise and write decimal equivalents of any number of tenths or hundredths |
| 39 | 193182183184 | RevisionFind the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredthsMultiply two-digit and three-digit numbers by a one-digit number using formal written layoutDivide two and three-digit numbers using formal (short division) methods, with exact answers [This is drawn from the non-statutory guidance]Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit |
| 40 | 186189191 | RevisionSolve integer scaling problems and harder correspondence problems such as n objects are connected to m objectsSolve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole numberRecognise and write decimal equivalents of any number of tenths or hundredths |
| 41 | 194202210211 | RevisionRound decimals with one decimal place to the nearest whole numberConvert between different units of measureIdentify lines of symmetry in 2-D shapes presented in different orientations [Weeks 21, 35]Complete a simple symmetric figure with respect to a specific line of symmetry [Weeks 21, 35] |
| 42 | 204197207 | RevisionFind the area of rectilinear shapes by counting squaresSolve simple measure and money problems involving fractions and decimals to two decimal placesSolve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days |