**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 | 160  165  169  168  166 | Understand the number system up to at least 10 000  Count in multiples of 1000 (up to 10 000) [Weeks 1, 2]  Order and compare numbers beyond 1000  Recognise 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 | 166  165  164  175  177 | Find 1000 more or less than a given number  Count in multiples of 1000 (up to 10 000) [Weeks 1, 2]  Count in multiples of 25  Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate  Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why |
| 3 | 165  175  177 | 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 appropriate  Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why |
| 4 | 198  199  200  177 | 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 | 198  199  200  174  177 | 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 value  Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why |
| 6 | 215  216 | Interpret and present discrete and continuous data using appropriate graphical methods, including bar and time graphs  Solve 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 | 177  178  176 | Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why  Practise 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 | 161  163  162  179  180  184 | Count in multiples of 6  Count in multiples of 9  Count in multiples of 7  Recall multiplication and division facts for multiplication tables up to 12 × 12  Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers  Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit |
| 10 | 179  177  184  203 | Recall multiplication and division facts for multiplication tables up to 12 × 12  Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why  Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit  Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres |
| 11 | 179  167  215  216 | Recall multiplication and division facts for multiplication tables up to 12 × 12  Count backwards through zero to include negative numbers  Interpret and present discrete and continuous data using appropriate graphical methods, including bar and time graphs  Solve comparison, sum and difference problems, using information presented in bar charts, pictograms, tables and other graphs |
| 12 | 179  180  203  204 | Recall multiplication and division facts for multiplication tables up to 12 × 12  Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers  Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres  Find the area of rectilinear shapes by counting squares |
| 13 | 179  180  181  184  204 | Recall multiplication and division facts for multiplication tables up to 12 × 12  Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three 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 one digit  Find the area of rectilinear shapes by counting squares [Weeks 11, 12, 36] |
| 14 |  | Assessment Week 2 – Revise previous Learning Objectives |
| 15 | 181  187  190  189 | Recognise and use factor pairs and commutativity in mental calculations  Recognise and show, using diagrams, families of common equivalent fractions  Add and subtract fractions with the same denominator  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 |
| 16 | 181  189 | Recognise and use factor pairs and commutativity in mental calculations  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 |
| 17 | 191  192  197 | Recognise and write decimal equivalents of any number of tenths or hundredths  Recognise and write decimal equivalents to ¼, ½, ¾  Solve simple measure and money problems involving fractions and decimals to two decimal places |
| 18 | 193  201  206 | 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 hundredths  Understand and use hour, minute, second  Read, write and convert time between analogue and digital 12- and 24-hour clocks |
| 19 | 206  202  177  178 | Read, write and convert time between analogue and digital 12- and 24-hour clocks  Convert between different units of measure  Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why  Practise 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 | 202  215  216 | Convert between different units of measure  Interpret and present discrete and continuous data using appropriate graphical methods, including bar and time graphs  Solve comparison, sum and difference problems, using information presented in bar charts, pictograms, tables and other graphs |
| 22 | 208  209 | Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes  Identify acute and obtuse angles and compare and order angles up to two right angles by size |
| 23 | 171  170  215 | Round any number to the nearest 10, 100 or 1000  Identify, represent and estimate numbers using different representations  Interpret and present discrete and continuous data using appropriate graphical methods, including bar and time graphs |
| 24 | 208  209  210  211 | Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes  Identify acute and obtuse angles and compare and order angles up to two right angles by size  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 |
| 25 |  | Assessment Week 4 – Revise previous Learning Objectives |
| 26 | 179  205  207 | Recall multiplication and division facts for multiplication tables up to 12 × 12  Estimate, compare and calculate different measures, including money in pounds and pence  Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days |
| 27 | 179  183 | Recall multiplication and division facts for multiplication tables up to 12 × 12  Divide two and three-digit numbers using formal (short division) methods, with exact answers [This is drawn from the non-statutory guidance] |
| 28 | 179  183  185 | Recall multiplication and division facts for multiplication tables up to 12 × 12  Divide 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 | 179  185  186  188 | Recall multiplication and division facts for multiplication tables up to 12 × 12  Write 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 objects  Count up and down in hundredths; recognise that hundredths arise when dividing and object by one hundred and dividing tenths by ten |
| 30 | 179  188  194  193 | Recall multiplication and division facts for multiplication tables up to 12 × 12  Count up and down in hundredths; recognise that hundredths arise when dividing and object by one hundred and dividing tenths by ten  Round decimals with one decimal place to the nearest whole number  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 hundredths |
| 31 |  | Assessment Week 5 – Revise previous Learning Objectives |
| 32 | 193  195  196  197 | 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 hundredths  Compare numbers with the same number of decimal places up to two decimal places  Write measures, including money, length, weight and volume, involving mixed units, correctly, using decimal notation  Solve simple measure and money problems involving fractions and decimals to two decimal places |
| 33 | 196  197  195  203 | Write measures, including money, length, weight and volume, involving mixed units, correctly, using decimal notation  Solve simple measure and money problems involving fractions and decimals to two decimal places  Compare numbers with the same number of decimal places up to two decimal places  Measure 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 | 202  212  213  214  207 | Convert between different units of measure [Weeks 17, 18, 29, 35]  Convert between different units of measure  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  Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days |
| 35 | 182  183 | Multiply two-digit and three-digit numbers by a one-digit number using formal written layout  Divide two and three-digit numbers using formal (short division) methods, with exact answers [This is drawn from the non-statutory guidance] |
| 36 | 182  183  197 | Multiply two-digit and three-digit numbers by a one-digit number using formal written layout  Divide 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 | 172  173  194  191 | Solve number and practical problems involving knowledge of the number system to 10,000 and with increasingly large positive numbers  Understand and use decimal notation for measures and money  Round decimals with one decimal place to the nearest whole number  Recognise and write decimal equivalents of any number of tenths or hundredths |
| 39 | 193  182  183  184 | Revision  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 hundredths  Multiply two-digit and three-digit numbers by a one-digit number using formal written layout  Divide 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 | 186  189  191 | Revision  Solve integer scaling problems and harder correspondence problems such as n objects are connected to m objects  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  Recognise and write decimal equivalents of any number of tenths or hundredths |
| 41 | 194  202  210  211 | Revision  Round decimals with one decimal place to the nearest whole number  Convert between different units of measure  Identify 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 | 204  197  207 | Revision  Find the area of rectilinear shapes by counting squares  Solve simple measure and money problems involving fractions and decimals to two decimal places  Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days |