End of Year Expectations for Year 4 (Maths)

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| Year 4 Number and Place Value | | | | |
| Number and Place Value | Addition and Subtraction | Multiplication and Division | Fractions | |
| Sufficient evidence shows the ability to:  PV1- Count in multiples of 6, 7, 9, 25 and 1,000.  PV2- Find 1,000 more or less than a given number.  PV3- Count backwards through 0 to include negative numbers.  PV4- Recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s).  PV5- Order and compare numbers beyond 1,000.  PV6- Identify, represent and estimate numbers using different representations  PV7- Round any number to the nearest 10, 100 or 1,000.  PV8- Solve number and practical problems that involve all of the above and with increasingly large positive numbers.  PV9- Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of 0 and place value. | Sufficient evidence shows the ability to:  AS1- Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.  AS2- Estimate and use inverse operations to check answers to a calculation.  AS3- Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why. | Sufficient evidence shows the ability to:  MD1- Recall multiplication and division facts for multiplication tables up to 12 × 12.  MD2- 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.  MD3- Recognise and use factor pairs and commutativity in mental calculations.  MD4- Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.  MD5- 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. | Sufficient evidence shows the ability to:  F1- Recognise and show, using diagrams, families of common equivalent fractions.  F2- Count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10.  F3- 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.  F4- Add and subtract fractions with the same denominator.  F5- Recognise and write decimal equivalents of any number of tenths or hundreds.  F6- Recognise and write decimal equivalents to 1/4 , 1/2 , 3/4  F7- 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.  F8- Round decimals with 1 decimal place to the nearest whole number.  F9- Compare numbers with the same number of decimal places up to 2 decimal places.  F10- Solve simple measure and money problems involving fractions and decimals to 2 decimal places. | |
| Year 4 Geometry and Measures | | | | |
| Measures | | Geometry – Properties of Shapes | Geometry – Position and Movement | Statistics |
| Sufficient evidence shows the ability to:  M1- Convert between different units of measure [for example, kilometre to metre; hour to minute].  M2- Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.  M3- Find the area of rectilinear shapes by counting squares.  M4- Estimate, compare and calculate different measures, including money in pounds and pence.  M5- Read, write and convert time between analogue and digital 12- and 24-hour clocks.  M6- Solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days. | | Sufficient evidence shows the ability to:  G1- Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.  G2- Identify acute and obtuse angles and compare and order angles up to 2 right angles by size.  G3- Identify lines of symmetry in 2-D shapes presented in different orientations.  G4- Complete a simple symmetric figure with respect to a specific line of symmetry. | Sufficient evidence shows the ability to:  G5- Describe positions on a 2-D grid as coordinates in the first quadrant.  G6- Describe movements between positions as translations of a given unit to the left/right and up/down.  G7- Plot specified points and draw sides to complete a given polygon. | Sufficient evidence shows the ability to:  S1- Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.  S2- Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs. |