# Year 4 Maths - Working at Expected Standard – Number & Place Value

| Number and Place Value | Addition and Subtraction | Multiplication and Division | Fractions |
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| **Sufficient evidence shows the ability to:**<br>❑ Count in multiples of 6, 7, 9, 25 and 1000 find 1000 more or less than a given number.<br>❑ Count backwards through zero to include negative numbers.<br>❑ Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).<br>❑ Order and compare numbers beyond 1000.<br>❑ Identify, represent and estimate numbers using different representations.<br>❑ Round any number to the nearest 10, 100 or 1000.<br>❑ Solve number and practical problems that involve all of the above and with increasingly large positive numbers.<br>❑ 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. | **Sufficient evidence shows the ability to:**<br>❑ Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.<br>❑ Estimate and use inverse operations to check answers to a calculation.<br>❑ Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why. | **Sufficient evidence shows the ability to:**<br>❑ Recall multiplication and division facts for multiplication tables up to 12 × 12.<br>❑ 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.<br>❑ Recognise and use factor pairs and commutativity in mental calculations.<br>❑ Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.<br>❑ Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects. | **Sufficient evidence shows the ability to:**<br>❑ Recognise and show, using diagrams, families of common equivalent fractions count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.<br>❑ 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.<br>❑ Add and subtract fractions with the same denominator.<br>❑ Recognise and write decimal equivalents of any number of tenths or hundredths.<br>❑ Recognise and write decimal equivalents to 1/4 , 1/2 , ¾.<br>❑ 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.<br>❑ Round decimals with one decimal place to the nearest whole number.<br>❑ Compare numbers with the same number of decimal places up to two decimal places.<br>❑ Solve simple measure and money problems involving fractions and decimals to two decimal places. |

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