**Maths Medium Term Planning**

**Year Five**

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| **WR Block: Number: Fractions B** | | **Spring Term** | |
| **National Curriculum Objectives** | **Small Steps** | **Prior Learning** | **Future Progression** |
| * Compare and order fractions whose denominators are all multiples of the same number. * Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths. * Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, 2/5 + 4/5= 65 = 1 and 1/5 ]. * Add and subtract fractions with the same denominator and denominators that are multiples of the same number. * Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. | * Multiply a unit fraction by an integer * Multiply a non-unit fraction by an integer * Multiply a mixed number by an integer * Calculate a fraction of a quantity * Fraction of an amount * Find the whole * Use fractions as operators | **Y4:**   * Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. * 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. * Recognise and write decimal equivalents of any number of tenths or hundredths. * Recognise and write decimal equivalents to ¼, ½, ¾. * 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. * Round decimals with one decimal place to the nearest whole number. * Compare numbers with the same number of decimal places up to two decimal places. * Solve simple measure and money problems involving fractions and decimals to two decimal places. | **Y6:**   * Use common factors to simplify fractions; use common multiples to express fractions in the same denomination. * Compare and order fractions, including fractions > 1. * Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions. * Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, 41 × 21= 81 ]. * Divide proper fractions by whole numbers [for example, 31 ÷ 2 = 61 ]. * Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, 83 ]. * Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places. |
| **Key Vocabulary**  **New Vocabulary:**  equivalent, reduced to, cancel | **Key Vocabulary:**  **Previous Year Group:**  Hundredths, decimal, decimal fraction, decimal point, decimal place, decimal equivalent, proportion | **Stem Sentences**  To multiply a fraction by an integer, I multiply the \_\_\_\_ by the integer and the \_\_\_\_ remains the same.  To multiply a fraction by an integer, I multiply the \_\_\_\_ by the integer and the \_\_\_\_ remains the same. | |
| **Concrete, Pictorial, Abstract Models/ Calculations** | | | |