**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 anobject 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 wholenumber.
* 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 thevalue 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.
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| **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**  |