**Maths Medium Term Planning**

**Year Three**

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| **WR Block: Number: Fractions** | | **Spring Term** | |
| **National Curriculum Objectives** | **Small Steps** | **Prior Learning** | **Future Progression** |
| * Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10. * Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. * Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. * Recognise and show, using diagrams, equivalent fractions with small denominators. * Add and subtract fractions with the same denominator within one whole [for example, + =]. * Compare and order unit fractions, and fractions with the same denominators. * Solve problems that involve all of the above. | * Understand the denominators of unit fractions * Compare and order unit fractions * Understand the numerators of non-unit fractions * Understand the whole * Compare and order non-unit fractions * Fractions and scales * Fractions on a number line * Count in fractions on a number line * Equivalent fractions on a number line * Equivalent fractions as bar models | **Y2:**   * Recognise, find, name and write fractions 1/3, ¼, 2/4 and ¾ of a length, shape, set of objects or quantity. * Write simple fractions for example, ½ of 6 = 3 and recognise the equivalence of 2/4 and ½. | **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. |
| **Key Vocabulary**  **New Vocabulary:**  sixths, sevenths, eighths, tenths … | **Key Vocabulary:**  **Previous Year Group:**  equivalent fraction  mixed number  numerator, denominator  two halves  two quarters, three quarters  one third, two thirds  one of three equal parts | **Stem Sentences**  The shape is split into \_\_\_\_ equal parts.  The denominator is \_\_\_.  There are \_\_\_\_ equal parts. So the denominator is \_\_\_\_. \_\_\_\_ of the equal parts are shaded. So the numerator is \_\_\_\_. The fraction is \_\_\_\_.  When the numerators are the same, then the \_\_\_\_ the denominator, the \_\_\_\_ the fraction.  When fractions have the same denominators, then the \_\_\_\_ the numerator, the \_\_\_\_ the fraction.  \_\_\_\_ is greater than/ less than \_\_\_\_ because ... | |
| **Concrete, Pictorial, Abstract Models/ Calculations** | | | |