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| **Summer 1** |  **Y5 Fractions, Decimals and percentages**  |
| **Notes: Review fraction objectives from Y4 – these should be kept on the boil See Y4 Spring 2** |
| **By the end of the teaching sequence children should…** | **Examples and models and images to use NCETM 3.7 and 3.10 plus White Rose** |
| Write, identify and represent visually equivalent fractions |  |
| Convert from mixed to improper fractions and back again |  |
| Compare and order fractions whose denominators are multiples of the same numberCompare using numerator and denominator  |  |
| Add and subtract fractions whose denominators are multiples of the same number. Review adding and subtracting fractions with the same denominator from Y4. |  |
| Understand that percent means part of 100NCETM 3.10  |  |
| Visually represent percentages |
| Link percent with tenths and hundredths  |
| Write percentages as fractions and decimals |
| Write tenths as fractions , decimals, words and images  |
| Know the decimal and percentage equivalents of ¼ ½ 1/5 and non-unit fractions of these denominators |
| Know the percentage and decimal equivalents of fractions that have a denominator with a multiple of 10 or 25 |
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| **Summer 2**  | **Y5 Shape and position**  |
| **Notes: use this opportunity to review measure, squares numbers and fractions. Also review efficient methods of calculating.**  |
| **By the end of the teaching sequence children should…** | **Examples and models and images to use** |
| Identify and draw 2D shapes  |  |
| Understand regular and irregular shapes  |  |
| Identify and draw quadrilaterals  |  |
| Measure and calculate the perimeter of rectilinear shapes  |  |
| Measure and calculate the perimeter of composite rectilinear shapes |  |
| Calculate and compare areas of rectangles including squares  |  |
| Estimate the area of irregular shapes  |  |
| Identify 3d shapes  |  |
| Estimate volume (using cubes and cuboids) and capacity  |      |
| Draw and measure angles in degrees |   |
| Be able to use a protractor accurately |  |
| Order and compare angles  |  |
| ½ turn = 180 1 ½ turns etc full turn – 360 use multiples of 90 |   |
| Calculate missing angles on a straight line and round a point  |    |
| Plot and draw shapes on a co-ordinates grid  |  |
| Translate shapes on a co-ordinates grid  |  |