| Objectives | Y1 | Y2 | Y3 | Y4 | Y5 | Y6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| National curriculum objectives | -recognise, find and name a half as one of two equal parts of an object, shape or quantity - recognise, find and name a quarter as one of four equal parts of an object, shape or quantity | -recognise, find, name and write fractions $1 / 3$, $1 / 42 / 4,3 / 4$ of a length, shape, set of objects or quantity -Recognise the equivalence of $2 / 4$ and 1/2 <br> -write simple fractions for example, $1 / 2$ of $6=3$ | -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 <br> -recognise, find and write fractions of a discrete set of objects: unit fractions and nonunit fractions with small denominators - recognise and use fractions as numbers: unit fractions and nonunit fractions with small denominators -recognise and show, using diagrams, equivalent fractions with small denominators -compare and order unit fractions, and fractions with the same denominators -add and subtract fractions with the same denominator within one whole [for example 5/7 $+1 / 7=6 / 7$ | -count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. -recognise and show, using diagrams, families of common equivalent fractions -add and subtract fractions with the same denominator -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 -recognise and write decimal equivalents of any number of tenths or hundredths -recognise and write decimal equivalents to $1 / 4,1 / 2,3 / 4$ | -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, $2 / 5+4 / 5=$ $6 / 5$ or 1 whole and $1 / 5$ -compare and order fractions whose denominators are all multiples of the same number -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 -read and write decimal numbers as fractions [for example, $0.71=71 / 100$ | -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 $1 / 4 \times 1 / 2=1 / 8$ -divide proper fractions by whole numbers (for example $1 / 3 \div 2=1 / 6$ ) -identify the value of each digit in numbers given to three decimal places -associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, 3/8] |

Buckingham Park Cof E Primary School Maths Progression documents

|  |  |  | -solve problems that involve all of the above | -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 | - recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents -round decimals with two decimal places to the nearest whole number and to one decimal place - read, write, order and compare numbers with up to three decimal places <br> -recognise the per cent symbol (\%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal <br> - solve problems which require knowing percentage and decimal equivalents of $1 / 2,1 / 2,1 / 5$, $2 / 5,4 / 5$ and those fractions with a denominator of a multiple of 10 or 25 | -recall and use equivalences between simple fractions, decimals and percentages, including in different contexts |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dfe ready to progress criteria |  |  | 3F-1 Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts 3F-2 Find unit fractions of quantities using known division facts | 4F-1 Reason about the location of mixed numbers in the linear number system. <br> 4F-2 Convert mixed numbers to improper fractions and vice versa. 4F-3 Add and subtract improper and mixed | 5F-1 Find non-unit fractions of quantities. <br> 5F-2 Find equivalent fractions and understand that they have the same value and the same position in the linear number system. | 6F-1 Recognise when fractions can be simplified, and use common factors to simplify fractions. <br> 6F-2 Express fractions in a common denomination and use this to compare |

Buckingham Park Cof E Primary School Maths Progression documents

|  |  |  | (multiplication tables fluency) <br> 3F-3 Reason about the location of any fraction within 1 in the linear number system. <br> 3F-4 Add and subtract fractions with the same denominator, within 1 | fractions with the same denominator, including bridging whole numbers. | 5F-3 Recall decimal fraction equivalents for $1 / 4,1 / 2,1 / 5$ and $1 / 10$ ) and for multiples of these proper fractions. | fractions that are similar in value. <br> 6F-3 Compare fractions with different denominators, including fractions greater than 1, using reasoning, and choose between reasoning and common denomination as a comparison strategy. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Power <br> Maths unit/s and when taught in school |  |  | Textbook 3B <br> Taught in Spring <br> Unit 8: Fractions (1) - <br> lesson 1,3,4 (3F-1) <br> Lessons 2,5,6,7,9 (3F-3) <br> Textbook 3C <br> Taught in Summer <br> Unit 11: Fractions (2) - <br> lesson 5,6, 8 (3F-2) <br> Lessons 1-4 (3F-4) | Textbook 4B <br> Taught in Spring <br> Unit 8: Fractions (1) lessons 3-4 (4F-1) lessons 5 and 6 (4F-2) <br> Unit 9: Fractions (2) lessons 1-6 (4F-3) | Textbook 5A <br> Taught in Autumn <br> Unit 5: Fractions (1) <br> lessons 1-3 (5F-2) <br> Textbook 5B <br> Taught in Spring <br> Unit 8: Fractions (3) <br> lessons 5-6 (5F-1) <br>  <br> Percentages - lessons 3 and 5 (5NF-3) | Textbook 6A <br> Taught in Autumn <br> Unit 4: Fractions (1) - <br> lessons 1 and 2 ( $6 \mathrm{~F}-1$ ) <br> Lesson 3 - (6F-2) <br> Lesson 3 (6F-3) |
| Other resources to aid teaching | -Daily Fluent in 5 tasks -White Rose- summer 2 -NCETM pages 19-21 https://www.ncetm.org. uk/media/ajpctp24/mas tery assessment y1.pdf | -Daily Fluent in 5 tasks <br> -White Rose- summer 1 <br> -NCETM pages 19-22 <br> https://www.ncetm.org. <br> uk/media/dnobtk14/ma <br> stery assessment yr2.p df | -Daily Fluent in 5 tasks -White Rose- Spring 3, Summer 1, <br> -NCETM pages 19-21 https://www.ncetm.org. uk/media/oaqfcvjq/mas tery assessment y3.pdf | -Daily Fluent in 5 tasks -White Rose- Spring 4, Spring 3, Summer 1 -NCETM pages 18-21 https://www.ncetm.org. uk/media/x45na0cs/mas tery assessment y4.pdf | -Daily Fluent in 5 tasks <br> -White Rose- Autumn 4, Spring 2, Spring 3, <br> Summer 3 <br> -NCETM pages 17-20 <br> https://www.ncetm.org. <br> uk/media/lp0o2lgv/mas <br> tery assessment y5.pdf | -Daily Fluent in 5 tasks -White Rose- Autumn 3, Autumn 4, Spring 3, Spring 4 <br> -NCETM pages 18-22 https://www.ncetm.org. uk/media/uitj1x5g/mast ery assessment y6.pdf |

[^0]
## Key: Highlighted objectives above link to the topic of place value taught

Red = recognise and write fractions
Blue = compare fractions
Green $=$ fraction calculations
Orange = solve problems


[^0]:    Links to further activities to aid teaching:
    White Rose materials link: https://whiterosemaths.co m/resources?year=year-1-new
    NCETM materials link: https://www.ncetm.org.uk/classroom-resources/exemplification-of-ready-to-progress-criteria/
    NCETM activities link: https://www.ncetm.org.uk/classroom-resources/assessment-materials-primary/ NRICH - PRIMARY CURRICULUM MAP FOR ALL TOPICS
    https://docs.google.com/spreadsheets/d/1bIrdv1M9pKzoKrHeyxT5rkHbJUIJJWjYug2k4Xe9 es/edit\#gid=5

