

| Fractions | | | | | |
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| | | Read and Represent | Compare | Calculations | Problem Solving |
| Development Matters | 0 – 3 | | | | |
| | 3 – 4 | | | | |
| | FS2 | | | | |
| White Rose | Y1 | Understand half is one of two equal parts of an object, shape or quantity. Understand a quarter is one of two equal parts of an object, shape or quantity. | | | |
| | Y2 | Find and write $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a shape, quantity and length. | Recognise the equivalence of $\frac{1}{2}$ and $\frac{2}{4}$. | Write simple fractions e.g. $\frac{1}{2}$ of $8 = 4$. | |
| | Y3 | Count in tenths and understands tenths are derived from dividing an object or number into 10 equal parts. Find fractions of a discrete set of objects including unit and non-unit fractions. Recognise and use fractions as numbers including unit and non-unit fractions. | Recognise and show using diagrams equivalent fractions. Compare and order unit fractions and fractions with the same denominator. | Add and subtract fractions with the same denominator within one whole. | Solve problems using all of these ideas. |

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| | Y4 | Count in hundredths and understands tenths are derived from dividing an object or number into 100 equal parts. | Recognise and show using diagrams families of equivalent fractions. | Add and subtract fractions with the same denominator. | Solve problems involving increasingly harder fractions to calculate quantities including non-unit fractions where the answer is a whole number. |
| | Y5 | Identify, name and write equivalent fractions Recognise mixed number and improper fractions and convert from one to the other. | Compare and order fractions where the denominator are all multiples of the same number. | Add and subtract fractions with the same denominator and where the denominators are multiples of the same number. Multiply proper fractions and mixed number fractions by whole numbers. | |
| | Y6 | | Use common factors to simplify fractions. Use common multiples to express fractions with the same denominator. Compare and order fractions including fractions greater than 1. | Add and subtract fractions with different denominators and mixed numbers using their understanding of equivalent fractions. Multiply pairs if proper fractions writing the answer in its simplest form. Divide proper fractions by a whole number. | |
| | KS3 | | | Add, subtract and multiply fractions fluently. | |