

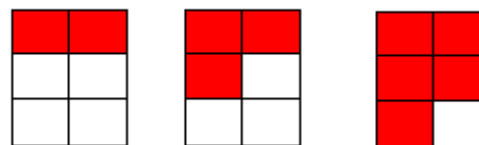
Year 3 Fractions

National Curriculum Aims

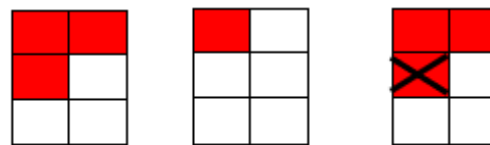
- count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10
- recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators
- recognise and 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, $7 \frac{5}{6} + 7 \frac{1}{6} = 7 \frac{6}{6}$]
- compare and order unit fractions, and fractions with the same denominators
- solve problems that involve all of the above.

Adding fractions with the same denominator

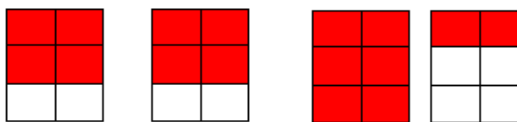
Add and subtract fractions with the same denominator with whole (e.g. $\frac{1}{4} + \frac{3}{4} = \frac{4}{4}$)



$$\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$$

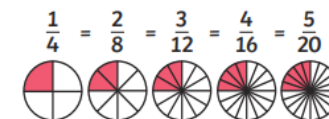
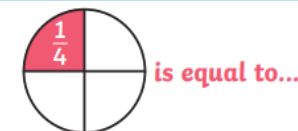
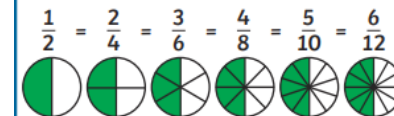
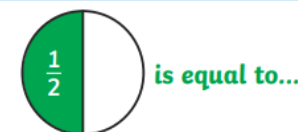


$$\frac{3}{6} - \frac{1}{6} = \frac{2}{6}$$



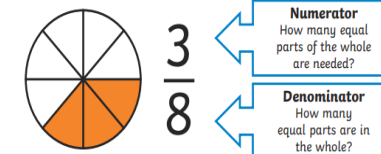
$$\frac{4}{6} + \frac{4}{6} = \frac{8}{6} \text{ or } 1 \frac{2}{6}$$

Equivalent Fractions



Key Vocabulary

Equivalent fraction	A fraction with the same value as another.
Mixed number	A whole number mixed together with a fraction.
Denominator	The number below the line in a fraction.
Numerator	The number above the line in a fraction.
Decimal fraction	The part of a decimal number to the right of the decimal point.
Decimal point	It is used to show which digits are whole numbers and which are fractions.
proportion	Finding the fraction of a whole number.
Proper fraction	Has a value less than 1 whole.
Improper fraction	Where the numerator is greater than the denominator.
equivalent	A fraction which has the same value as another.



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