

Topic 7: Fractions	Key ideas
<ul style="list-style-type: none"> <input type="checkbox"/> Represent fractions using area diagrams, bar models and number lines <input type="checkbox"/> Recognise and name equivalent fractions Mathswatch video N23b <input type="checkbox"/> Use equivalent fractions Mathswatch video N23b <input type="checkbox"/> Compare and order numbers involving fractions Mathswatch videos N2a and N34 <input type="checkbox"/> Express one quantity as a fraction of another Mathswatch video R3 <input type="checkbox"/> Find a fraction of a set of objects or quantity <input type="checkbox"/> Find the whole given a fraction <input type="checkbox"/> Multiply a whole number or fraction by a whole number or fraction Mathswatch videos N37a and N42a <input type="checkbox"/> Divide a whole number or proper fraction by a whole number or proper fraction Mathswatch videos N37b and N42b <input type="checkbox"/> Add and subtract fractions with like and unlike denominators Mathswatch videos N36 and N41 	<p>I can cancel fractions to their simplest form.</p> <p>I can work out one quantity as a fraction of another.</p> <p>I can name equivalent fractions.</p> <p>I can compare and order numbers involving fractions.</p> <p>I can add, subtract, multiply and divide fractions, with and without a calculator.</p>

Key vocabulary

Fraction	A fraction is a part of a whole. It is also a ratio between two numbers separated by a vinculum ($\frac{\quad}{\quad}$). It is represented by the division of one number by another.
Numerator	The 'top' part of a fraction - it tells us how many parts we are dealing with.
Denominator	The 'bottom' part of a fraction - it tells us how many parts the whole is divided into.
Equivalent	Equivalent fractions represent the same value.
Order	Ordering fractions involves putting them arranged by size.
Reciprocal	The reciprocal of a number is 1 divided by the number.
Unit fraction	A fraction where the numerator is 1 and denominator is an positive integer.
Comparing fractions	To compare fractions you need a common denominator. Ascending means smallest to biggest while descending means biggest to smallest.

