National Curriculum Links

Australian Curriculum for Mathematics

This maps entries in the **Australian Mathematics Curriculum (from Foundation Stage to Year 7)** to the content of chapters of Haylock & Manning, *Mathematics Explained for Primary Teachers*, Australian edition.

# Chapter 15: Fractions and ratios

## Year 1

* Recognize and describe one-half as one of two equal parts of a whole

## Year 2

* Recognize and interpret common uses of halves, quarters and eighths of shapes and collections

## Year 3

* Model and represent unit fractions including 1/2, 1/4, 1/3, 1/5 and their multiples to a complete whole

## Year 4

* Investigate equivalent fractions used in contexts
* Count by quarters halves and thirds, including with mixed numerals
* Locate and represent these fractions on a number line
* Recognize that the place value system can be extended to tenths and hundredths

## Year 5

* Compare and order common unit fractions and locate and represent them on a number line
* Investigate strategies to solve problems involving addition and subtraction of fractions with the same denominator

## Year 6

* Compare fractions with related denominators and locate and represent them on a number line
* Solve problems involving addition and subtraction of fractions with the same or related denominators
* Find a simple fraction of a quantity where the result is a whole number, with and without digital technologies

## Year 7

* Compare fractions using equivalence
* Locate and represent positive and negative fractions and mixed numbers on a number line
* Solve problems involving addition and subtraction of fractions, including those with unrelated denominators
* Multiply and divide fractions … using efficient written strategies and digital technologies
* Express one quantity as a fraction of another, with and without the use of digital technologies
* Recognize and solve problems involving simple ratios