



ALDER COPPICE PRIMARY SCHOOL

Maths- Number

Fractions, Ration & Proportion and Algebra

Understand and use the conventions and vocabulary of algebra including forming and interpreting algebraic expressions and equations.

Simplify algebraic expressions by collecting like terms to maintain equivalence.

Manipulate algebraic expressions using the distributive law to maintain equivalence.

Algebra

Understand that ratios are an example of a multiplicative relationship and apply this understanding to a range of contexts.

Ratio and Proportion

YEAR 7

Fractions, Decimals and Percentages

Work interchangeably with terminating decimals and their corresponding fractions. Compare and order positive and negative integers, decimals and fractions

Ratio and Proportion

YEAR 6

Solve problems involving ratio relationships

Read, write and compare decimals to 3 decimal places
Decimal equivalents of tenths and hundredths
multiply and divide by 10, 100 and 1000 and identify value of decimals

Simplify fractions
express fractions in common denomination
use equivalents between fractions, decimals and percentages

Compare fractions
understand per cent %
use equivalents between fractions, decimals and percentages

Use simple formulae
express number problems algebraically
linear number sequences
equations with two unknowns

Algebra

Ratio and Proportion

YEAR 5

Fractions, Decimals and Percentages

Multiply and divide decimals by whole numbers
multiply and divide a number by 10, 100 and 1000 – use this to convert units of measure

Find non-unit fractions of quantities
equivalent fractions
add and subtract fractions
recall decimal fraction equivalents for key values

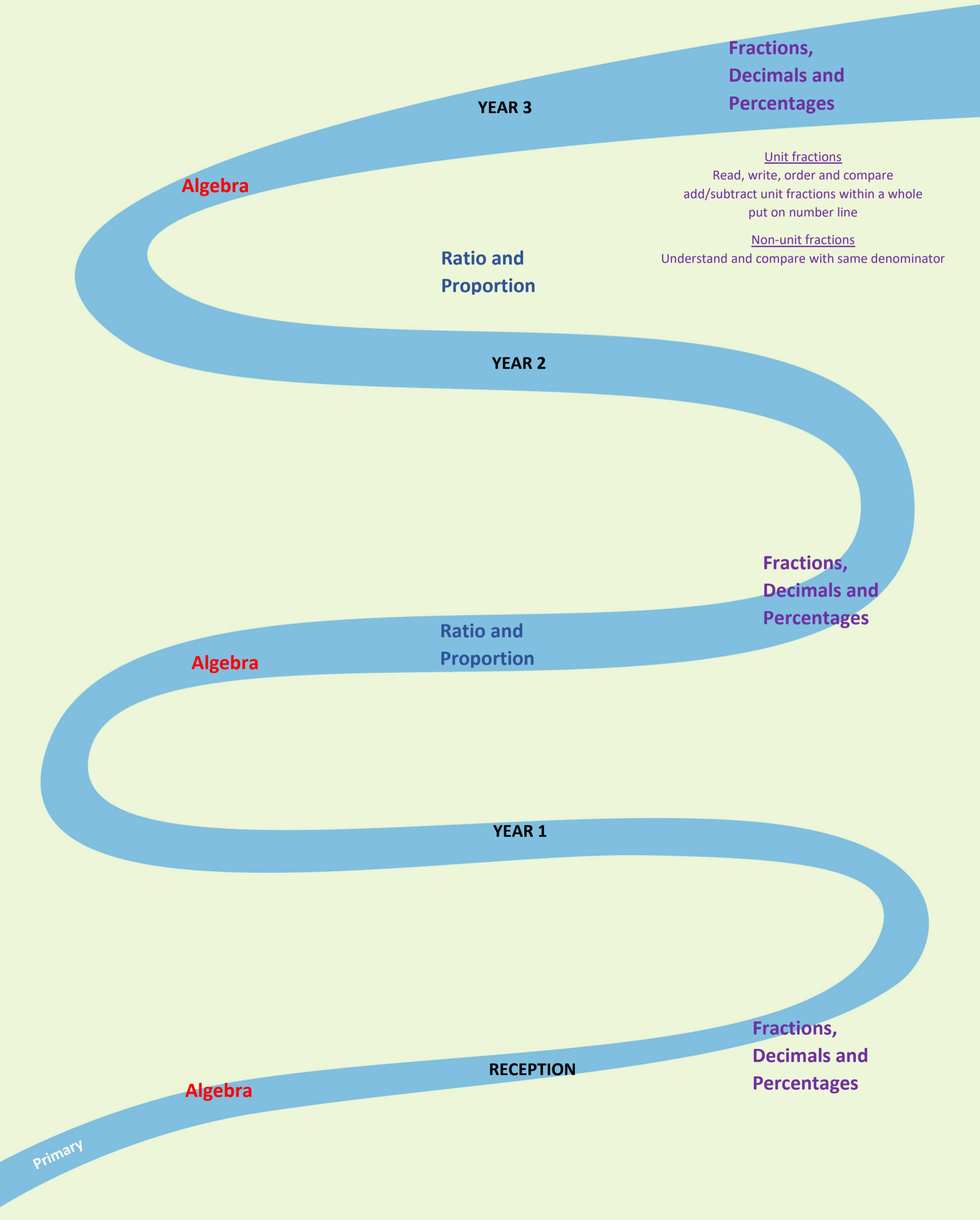
Ratio and Proportion

Fractions, Decimals and Percentages

YEAR 4

Improper fractions and mixed numbers across one whole
multiplying whole numbers and fractions
composition and calculation of tenths, hundredths and thousandths
addition and subtraction of money

Algebra



Primary

Algebra

RECEPTION

**Fractions,
Decimals and
Percentages**

Algebra

**Ratio and
Proportion**

**Fractions,
Decimals and
Percentages**

YEAR 2

**Ratio and
Proportion**

Non-unit fractions
Understand and compare with same denominator

Unit fractions
Read, write, order and compare
add/subtract unit fractions within a whole
put on number line

YEAR 3

**Fractions,
Decimals and
Percentages**

Algebra