RATIO AND PROPORTION



Prior learning:

- Find equivalent ratios (year 8 SPR1)
- Divide a total in a given ratio (YEAR 8 SPR1)
- Convert between ratios and fractions (YEAR 8 SPR1)

Recap the concept of a unit ratio. Write ratios in the form 1:n or n:1.

Use unitary method for solving simple proportion problems.

Apply ratio to be able to solve recipe problems.

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Apply ratio to be able to solve problems involving exchange rates.



YEAR 8 AUT 2: Proportion

Combine two or more ratios by finding common multiples.

Apply ratio to be able to solve problems involving scales and



maps.

Next steps:

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- To understand direct proportion and solve problems.
- To understand inverse proportion and use to solve problems.





YEAR 10 ROUTE A

Prior learning:

- Division and multiplication methods (YEAR 7 AUT2)
- Identifying common factors (YEAR 7 AUT2)
- Simplifying and equivalent fractions (YEAR 7 SPR1)

YEAR 10 A SPR1 Ratio and proportion





Prior learning:

- Applications of fractions, decimals, percentages (YEAR 7 SPR 1, YEAR 8 AUT 1
- Ratio, including 1:n and n:1 (YEAR 8 SU1 and YEAR 9 SPR1)
- Linear graphs, including conversion and tariff graphs (YEAR 8 AUT2)

YEAR 10 SUM1 Multiplicative reasoning



YEAR 10 route B

YEAR 11 ROUTE B