# Australian Curriculum Mapping: SugarByHalf – Portion Problems – Math – Years 5 & 6

## Year 5 Maths

* Choose appropriate units of measurement for length, area, volume, capacity and mass ([ACMMG108](https://www.australiancurriculum.edu.au/f-10-curriculum/mathematics/?strand=Number+and+Algebra&strand=Measurement+and+Geometry&strand=Statistics+and+Probability&capability=ignore&priority=ignore&year=11756&elaborations=true&cd=ACMMG108&searchTerm=acmmg108#dimension-content))

## Year 6 Maths

* Connect decimal representations to the metric system ([ACMMG135](https://www.australiancurriculum.edu.au/f-10-curriculum/mathematics/?strand=Number+and+Algebra&strand=Measurement+and+Geometry&strand=Statistics+and+Probability&capability=ignore&priority=ignore&year=11757&elaborations=true&cd=ACMMG135&searchTerm=acmmg135#dimension-content))
* Find a simple fraction of a quantity where the result is a whole number, with and without digital technologies ([ACMNA127](https://www.australiancurriculum.edu.au/f-10-curriculum/mathematics/?strand=Number+and+Algebra&strand=Measurement+and+Geometry&strand=Statistics+and+Probability&capability=ignore&priority=ignore&year=11757&elaborations=true&cd=ACMNA127&searchTerm=acmna127#dimension-content))

## Year 5 English

* Understand how to move beyond making bare assertions and take account of differing perspectives and points of view ([ACELA1502](https://www.australiancurriculum.edu.au/f-10-curriculum/english/?strand=Language&strand=Literature&strand=Literacy&capability=ignore&priority=ignore&year=11579&elaborations=true&cd=ACELA1502&searchTerm=acela1502#dimension-content))
* Use comprehension strategies to analyse information, integrating and linking ideas from a variety of print and digital sources ([ACELY1703](https://www.australiancurriculum.edu.au/f-10-curriculum/english/?strand=Language&strand=Literature&strand=Literacy&capability=ignore&priority=ignore&year=11579&elaborations=true&cd=ACELY1703&searchTerm=acely1703#dimension-content))

## Year 6 English

* Identify and explain how analytical images like figures, tables, diagrams, maps and graphs contribute to our understanding of verbal information in factual and persuasive texts ([ACELA1524](https://www.australiancurriculum.edu.au/f-10-curriculum/english/?strand=Language&strand=Literature&strand=Literacy&capability=ignore&priority=ignore&year=11580&elaborations=true&cd=ACELA1524&searchTerm=acela1524#dimension-content))

## Relevant parts of Year 5 Mathematics achievement standards:

* Students use appropriate units of measurement for mass.

## Relevant parts of Year 6 Mathematics achievement standards:

* Students connect decimal representations to the metric system and choose appropriate units of measurement to perform a calculation. They interpret and compare a variety of data displays including tables.

## 21st century skills:

   

**Syllabus outcomes:** [MA3-9MG, MA3-10MG, MA3-11MG, MA3-12MG, MA3‑1WM, MA3‑2WM, MA3-3WM, MA3-7NA](https://educationstandards.nsw.edu.au/wps/portal/nesa/k-10/learning-areas/mathematics/mathematics-k-10/outcomes), [EN3-3A, EN3-8D](https://educationstandards.nsw.edu.au/wps/portal/nesa/k-10/learning-areas/english-year-10/english-k-10/outcomes).

**General capabilities:** [Literacy](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/literacy/), Numeracy, [Critical and creative thinking](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/critical-and-creative-thinking/).