

149 Finals Time! AFL

Connecting with the Australian Curriculum: Mathematics

Proficiency Strands:	Understanding, Reasoning
General Capabilities:	Numeracy, ICT Capability, Personal and social capability
Cross-Curriculum Links:	Physical education
Content Strands:	Number and algebra, Statistics and probability

Number and algebra

- Year 6 Make connections between equivalent fractions, decimals and percentages (ACMNA131)
- Year 7 Connect fractions, decimals and percentages and carry out simple conversions (ACMNA157)
- Recognise and solve problems involving simple ratios (ACMNA173)
- Essential Demonstrate an understanding of the elementary ideas and notation of ratio (ACMEM065)

Statistics and probability

- Year 3 Conduct chance experiments, identify and describe possible outcomes and recognise variation in results (ACMSP067)
- Collect data, organise into categories and create displays using lists, tables, picture graphs and simple column graphs, with and without the use of digital technologies (ACMSP069)
- Year 4 Identify everyday events where one cannot happen if the other happens (ACMSP093)
- Construct suitable data displays, with and without the use of digital technologies, from given or collected data. Include tables, column graphs, and picture graphs where one picture can represent many data values (ACMSP096)
- Year 5 List outcomes of chance experiments involving equally likely outcomes and represent probabilities of those outcomes using fractions (ACMSP116)
- Year 6 Describe probabilities using fractions, decimals and percentages (ACMSP144)
- Conduct chance experiments with both small and large numbers of trials using appropriate digital technologies (ACMSP145)
- Compare observed frequencies across experiments with expected frequencies (ACMSP146)
- Year 7 Assign probabilities to the outcomes of events and determine probabilities for events (ACMSP168)
- Year 9 Calculate relative frequencies from given or collected data to estimate probabilities of events involving 'and' or 'or' (ACMSP226)

- Essential Describe ways of expressing probabilities formally using fractions, decimals, ratios, and percentages (ACMEM149)
- Perform simulations of experiments using technology (ACMEM150)
- Recognise that the repetition of chance events is likely to produce different results (ACMEM151)
- Identify relative frequency as probability (ACMEM152)
- Identify factors that could complicate the simulation of real-world events (ACMEM153)