



Round Robin: Who is the best handball player in our class?

From Allmond, S., Wells, J., & Makar, K. (2010). *Thinking through mathematics: Engaging students with inquiry-based learning. Book 2, Ages 8-10*. Education Services Australia.

Possible alignment of inquiry with Australian Curriculum: Mathematics:

Content Descriptors	Proficiencies
<p>Yr 6</p> <p>ACMNA122 Identify and describe properties of prime, composite, square and triangular numbers.</p> <p>ACMMG139 Interpret and use timetables.</p>	<p>Examples for Yr 6</p> <p>Understanding</p> <ul style="list-style-type: none"> • Describing properties of different sets of numbers, specifically triangular numbers • Representing triangular numbers (a handball tournament) <p>Fluency</p> <ul style="list-style-type: none"> • Interpreting timetables • Carry out calculations involving triangular numbers by recalling properties of these numbers <p>Problem Solving</p> <ul style="list-style-type: none"> • Formulating and modelling authentic situations involving triangular numbers to organise a handball tournament • Interpreting and using timetables to organise a handball tournament <p>Reasoning</p> <ul style="list-style-type: none"> • Generalising from properties of triangular numbers
<p>Yr 5</p> <p>ACMSP118 Pose questions and collect categorical or numerical data by observation or survey.</p> <p>ACMSP119 Construct displays, including column graphs, dot plots and tables, appropriate for data type, with and without the use of digital technologies.</p> <p>ACMSP120 Describe and interpret different data sets in context.</p>	
<p>Yr 4</p> <p>ACMMG085 Convert between units of time.</p> <p>ACMMG086 Use ‘am’ and ‘pm’ notation and solve simple time problems.</p> <p>ACMSP095 Select and trial methods for data collection, including survey questions and recording sheets.</p> <p>ACMSP096 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.</p> <p>ACMSP097 Evaluate the effectiveness of different displays in illustrating data features including variability.</p>	