



# STUDY GUIDE

## Year 7 Mathematics

## TERM 4

### Assessment

A task  
Mental computation  
End of Term Test

7th week of Term  
Last week of Term  
Last week of Term

Chapter	Strand Sub-Strand	Content Description
<b>Ratio &amp; Rate</b> Chapter 16 (2 weeks)	Number and Algebra <b>Real Numbers</b>	<ul style="list-style-type: none"><li>★ Recognise and solve problems involving simple ratios.</li><li>★ Understand that rate and ratio problems can be solved using fractions or percentages and choosing the most efficient form to solve a particular problem.</li><li>★ Find percentages of quantities and express one quantity as a percentage of another.</li><li>★ Use authentic problems to express quantities as percentages of other amounts.</li></ul>
<b>Linear Equations</b> Chapter 17 (2 weeks)	Number and Algebra <b>Linear &amp; Non-linear Relationships</b>	<ul style="list-style-type: none"><li>★ Solve simple linear equations.</li><li>★ Solve real-life problems by using pronumerals to represent unknowns.</li><li>★ Use travel graphs to investigate and compare the distance travelled to and from school</li><li>★ Interpret features of travel graphs such as the slope of lines and the meaning of horizontal lines.</li><li>★ Use graphs of evaporation rates to explore water storage.</li></ul>
<b>Transformations</b> Chapter 18 (2 weeks)	Measurement & Geometry <b>Location &amp; Transformation</b>	<ul style="list-style-type: none"><li>★ Describe translations, reflections, and rotations.</li><li>★ Identify line and rotational symmetries.</li><li>★ Identify combinations of transformations that produce the same result.</li><li>★ Using digital technologies to experiment with patterns.</li></ul>
<b>Data 2</b> Chapter 19 (2 weeks)	Statistics & Probability <b>Data Representation &amp; Interpretation</b>	<ul style="list-style-type: none"><li>★ Identify and investigate issues collected from primary and secondary sources.</li><li>★ Investigate secondary data sets to answer comparative questions.</li><li>★ Construct and compare a range of data displays.</li><li>★ Use ordered stem-and-leaf plots to record and display numerical data collected in a class investigation.</li><li>★ Investigate relationships between data.</li></ul>
<b>Review</b> Chapter 20 (2 weeks)	All of above	All of above