

Learning in Mathematics – Team 5-6 Term 2 2017

Number and Algebra	Measurement and Geometry	Statistics and Probability
<p>Continue term one work on efficient strategies when mentally computing</p> <p>Extend understanding of operations with all numbers and solve problems involving the four operations with and without digital technologies, and use estimation and rounding to check the reasonableness of answers (Use measurement topics such as length, area, perimeter and money to support understanding in contexts)</p> <p>Continue and create sequences involving whole numbers and decimals. Describe the rule used to create the sequence.</p> <p>Explore the use of brackets and order of operations to write number sentences. Investigate the need for a rule or brackets.</p> <p>Introduce the concept of variables as a way of representing numbers using letters</p>	<p>Measurement</p> <p>Convert between common metric units of length Solve problems involving the comparison of lengths and areas using appropriate units</p> <p>Establish the formulas for areas of rectangles, triangles and parallelograms and use these in problem solving</p> <p>Geometry</p> <p>Investigate, with and without digital technologies, angles on a straight line, angles at a point and vertically opposite angles. Use results to find unknown angles.</p> <p>Identify corresponding, alternate and co-interior angles when two straight lines are crossed by a transversal. Investigate conditions for two lines to be parallel and solve simple numerical problems using reasoning.</p>	<p>Probability</p> <p>Conduct chance experiments with both small and large numbers of trials using appropriate digital technologies Construct sample spaces for single-step experiments with equally likely outcomes</p> <p>Compare observed frequencies across experiments with expected frequencies Assign probabilities to the outcomes of events and determine probabilities for events</p> <p>Statistics</p> <p>Pose and refine questions to collect categorical or numerical data by observation or survey Interpret and compare a range of data displays</p> <p>Calculate mean, median, mode and range for sets of data. Interpret these statistics in the context of data</p> <p>Describe and interpret data displays using median, mean and range</p>