

Identify curriculum	Achievement standard	<p>By the end of Year 7, students solve problems involving the comparison, addition and subtraction of integers. They make the connections between whole numbers and index notation and the relationship between perfect squares and square roots. They solve problems involving percentages and all four operations with fractions and decimals. They compare the cost of items to make financial decisions. Students represent numbers using variables. They connect the laws and properties for numbers to algebra. They interpret simple linear representations and model authentic information. Students describe different views of three-dimensional objects. They represent transformations in the Cartesian plane. They solve simple numerical problems involving angles formed by a transversal crossing two lines. Students identify issues involving the collection of continuous data. They describe the relationship between the median and mean in data displays.</p> <p>Students use fractions, decimals and percentages, and their equivalences. They express one quantity as a fraction or percentage of another. Students solve simple linear equations and evaluate algebraic expressions after numerical substitution. They assign ordered pairs to given points on the Cartesian plane. Students use formulas for the area and perimeter of rectangles and calculate volumes of rectangular prisms. Students classify triangles and quadrilaterals. They name the types of angles formed by a transversal crossing parallel line. Students determine the sample space for simple experiments with equally likely outcomes and assign probabilities to those outcomes. They calculate mean, mode, median and range for data sets. They construct stem-and-leaf plots and dot-plots.</p>							
Teaching and learning	Term overview	Term 1		Term 2		Term 3		Term 4	
	NUMBER AND ALGEBRA <ul style="list-style-type: none"> - Whole numbers, Index notation and squares and square roots - Integers: comparison, addition and subtraction. - Financial mathematics: comparing costs. 		NUMBER AND ALGEBRA <ul style="list-style-type: none"> - Representation of numbers using variables - Connect the laws and properties for numbers to algebra. - Solve simple linear equations and evaluate expressions after substitution. MEASUREMENT AND GEOMETRY <ul style="list-style-type: none"> - Linear representations and modelling authentic information. - Assign ordered pairs to given points on the Cartesian plane. - Represent transformations in the Cartesian plane. 		MEASUREMENT AND GEOMETRY <ul style="list-style-type: none"> - Use of formulas to calculate perimeter and area of rectangles, and volume of rectangular prisms - Describe different views of 3D objects. - Names of types of angles formed by a transversal crossing parallel lines - Solve simple numerical problems involving angles formed by a transversal crossing two lines. - Classify triangles and quadrilaterals. 		NUMBER AND ALGEBRA <ul style="list-style-type: none"> - Expressing quantities as a fraction or percentage of another. - Fractions, decimals and percentages and their equivalences. - Solving problems using fractions, decimals and percentages. STATISTICS AND PROBABILITY <ul style="list-style-type: none"> - Determine sample space for simple experiments with equally likely outcomes and assign probabilities to those outcomes. - Describe the relationship between median and mean. - Calculate mean, mode, median and range. - Identify issues in collecting continuous data. - Construct stem-and-leaf and dot plots. 		
	General capabilities and Cross curriculum priorities								
Key to general capabilities and cross-curriculum priorities		 Literacy  Numeracy  ICT capability  Critical and creative thinking  Ethical behaviour  Personal and social capability  Intercultural understanding  Aboriginal and Torres Strait Islander histories and cultures  Asia and Australia's engagement with Asia  Sustainability							
Develop assessment	Assessment	Term 1		Term 2		Term 3		Term 4	
		Week	Assessment instrument	Week	Assessment instrument	Week	Assessment instrument	Week	Assessment instrument
		4	Index Notation Assessment	15	Algebra Assessment	4	Measurement Assessment	14	Fractions, Decimals and Percentages Assessment
		7	Integers Assessment	17	Cartesian Plane and Transformations Assignment	8	Transversal Assessment	17	Chance and Data Assignment
		9	Financial Literacy Assignment	All semester	Continuous ongoing assessment	10	3D Object Assessment	All semester	Continuous ongoing assessment
Make judgments and use feedback	Moderation	Term 1		Term 2		Term 3		Term 4	
Teachers moderate assessment task to ensure consistency of judgments.									