5-6 Term 1 Maths

Mathematical Concept	Year 5	Year 6
Number and Place Value	Year 5 students will: • make connections between factors and multiples • identify numbers that have 2, 3, 5 or 10 as factors • represent multiplication using the split and compensate strategy • choose appropriate procedures to represent the split and compensate strategy of multiplication • use a written strategy for addition and subtraction • round and estimate to check the reasonableness of answers • explore mental computation strategies for division • solve problems using mental computation strategies and informal recording methods • compare and evaluate strategies and make generalisations.	Year 6 students will: • Identify and describe properties of prime and composite numbers • select and apply mental and written strategies to problems involving all four operations
Fractions and Decimals	Year 5 students will: • use models to represent fractions • count on and count back using unit fractions • identify and compare unit fractions and solve problems using unit fractions • add and subtract simple fractions with the same denominator.	Year 6 students will: • Order and compare fractions with related denominators • add and subtract fractions with related denominators • calculate the fraction of a given quantity • solve problems involving the addition and subtraction of fractions
Money and financial maths	Year 5 students will: •	Year 6 students will: • Investigate and calculate percentage discounts of

		10%, 25% and 50% on sale items.
Data representation and interpretation	Year 5 students will: • build an understanding of data • develop the skill of defining numerical & categorical data • generate sample questions • explain why data is either numerical or categorical • develop an understanding of why data is collected • choose appropriate methods to record data • interpret data • generalise by composing summary statements about data.	Year 6 students will: • Revise different types of data displays, interpret data displays • investigate the similarities and differences between different data displays • identify the purpose and use of different displays • identify the difference between categorical and numerical data.
Using units of measurement	Year 5 students will: • investigate time concepts and the measurement of time • read & represent 24-hour time • estimate and measure the perimeters of rectangles • investigate area metric units of measurement • estimate and calculate area of rectangles.	Year 6 students will: • solve problems involving the comparison of lengths and areas • interpret and use timetables
Chance	Year 5 students will: • identify and describe possible outcomes • describe equally likely outcomes • represent probabilities of outcomes using fractions • conduct a chance experiment and investigate the fairness of a game.	Year 6 students will: • Represent the probability of outcomes as a fraction or decimal and conduct chance experiments.