

Essential Learning statements

	Prep	Year 1	Year 2
1	Sort and classify familiar objects and explain the basis for these classifications, and copy, continue and create patterns with objects and drawings	Recognise, model, read, write and numbers to at least 100	Read, write, make, order and partition numbers and collections to 1000.
2	Verbally counting to and from 20 from any starting point with 1:1 correspondence.	Using place value knowledge, compare, order collections to 100	Count by twos, threes, fives and tens from any starting point forwards and backwards.
3	Matching number names to numerals and materials up to 0-20.	Counting to and from 100 from any starting point, and skip counting by 2's, 5's and 10's from 0.	Count, calculate the total and order small collections of Australian coins and notes.
4	Make and show addition and subtraction problems to 20 for real life situations.	Represent and solve simple addition and subtraction problems using a range of strategies including counting on, partitioning and rearranging parts.	Solve simple addition and subtraction problems using a range of mental and written strategies.
5	Subitise small collections of items to at least 10 (The process of immediately recognising how many items are in a small group).	Recognise and describe one-half as one of two equal parts of a whole (shapes and collections)	Recognise and represent multiplication as repeated addition, groups and arrays
6	Read, write, make, order and compare numerals to at least 20.	Model sharing and grouping using real life stories and situations	Recognise and represent division as sharing into equal groups and parts to solve simple problems.
7	Answer yes/no questions, organise answers into simple data displays using objects and drawings and interpret simple data displays.	Identify outcomes of familiar events involving chance and describe them using everyday language such as 'will happen', 'won't happen' or 'might happen'	Collect, check and classify data relevant to a question then create displays of data using lists, table and picture graphs and interpret them.
8	Use direct and indirect comparisons to decide which is longer, heavier or holds more, and explain reasoning in everyday language.	Recognise and classify 2D and 3D shapes using obvious features.	Compare and order several shapes and objects based on length, area, volume mass and capacity using appropriate uniform units.
9	Follow a short sequence of instructions.	Tell time to the o'clock and half-hour.	Tell time to the quarter-hour, using the language of 'past' and 'to'
10	Identify the days of the week in sequence and connect days to familiar events.	Describe duration using months, weeks, days and hours.	Name and order months and seasons. Use a calendar to identify the date and determine the number of days in each month

	Year 3	Year 4	Year 5	Year 6
1	Recognise, order and apply place value to partition and rearrange numbers to at least 10 000 to assist calculations and solve problems	Recognise, order, and apply place value to partition, rearrange and regroup numbers to at least tens of thousands to assist calculations and solve problems.	Recognise, represent, partition and order numbers to at least hundreds of thousands.	Select and apply efficient mental and written strategies and appropriate digital technologies to solve problems involving all four operations with whole numbers and make estimates for these computations.
2	Apply knowledge of fact families, partitioning, mental and written strategies to solve authentic addition and subtraction problems.	Develop efficient mental and written strategies for addition and subtraction to solve authentic addition and subtraction problems.	Use efficient mental and written strategies for all operations and apply appropriate digital technologies to solve problems.	Explore the use of brackets and order of operations to write number sentences
3	Describe, continue, and create number patterns resulting from performing addition or subtraction.	Solve problems involving purchases and the calculation of change to the nearest five cents with and without digital technologies	Use estimation and rounding to check the reasonableness of answers to calculations	Add and subtract decimals, with and without digital technologies, and use estimation and rounding to check the reasonableness of answers
4	Choose appropriate strategies to represent and solve multiplication problems.	Recall multiplication facts up to 10×10 and related division facts and investigate number sequences involving multiples of 3, 4, 6, 7, 8, and 9. Develop efficient mental and written strategies and use appropriate digital technologies to solve multiplication.	Identify and describe factors and multiples of whole numbers and use them to solve problems	Multiply and divide decimals by powers of 10
5	Model and represent unit fractions including $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{5}$ and their multiples to a complete whole	Develop efficient mental and written strategies and use appropriate digital technologies to solve division where there is no remainder including word problems.	Compare, order and represent decimals.	Investigate and calculate percentage discounts of 10%, 25% and 50% on sale items, with and without digital technologies
6	Conduct chance experiments, identify and describe possible outcomes using language such as 'likely', or 'unlikely', 'certain' or 'impossible' and recognise variation in results.	Recognise that the place value system can be extended to tenths and hundredths. Make connections between fractions and decimal notation	Compare, order and represent <u>common unit fractions</u> by representing them on a number line	Find a simple fraction of a quantity where the result is a whole number, with and without digital technologies.
7	Create and interpret simple grid maps to show position and pathways	Construct suitable data displays from given or collected data including, tables, column graphs and picture graphs when one picture may represent many data vales.	List outcomes of chance experiments involving equally likely outcomes and represent probabilities of those outcomes using fractions	Construct, interpret and compare a range of data displays, including side-by-side column graphs for two categorical variables
8	Tell time to the minute and investigate the relationship between units of time	Explain and compare the geometric properties of two-dimensional shapes and three-dimensional objects	Choose appropriate units of measurement for length, area, volume, capacity and mass.	Convert between common metric units of length, mass and capacity
9		Use scaled instruments to measure and compare lengths, masses, capacities and temperatures Compare objects using familiar metric units of area and volume	Estimate, measure and compare angles using degrees. Construct angles using a protractor.	Measure, calculate and compare elapsed time
10			Use am and pm notation and solve simple time problems and convert between units of time including 24hr systems.	Interpret and use timetables