

Australian Curriculum: Mathematics — Year 3 Year level plan-2023

Year 3 Level Description

The proficiency strands **understanding**, **fluency**, **problem-solving** and **reasoning** are an integral part of mathematics content across the three content strands: number and algebra, measurement and geometry, and statistics and probability. The proficiencies reinforce the significance of working mathematically within the content and describe how the content is explored or developed. They provide the language to build in the developmental aspects of the learning of mathematics. The achievement standards reflect the content and encompass the proficiencies.

At this year level:

- understanding includes connecting number representations with number sequences, partitioning and combining numbers flexibly, representing unit fractions, using appropriate language to communicate times, and identifying environmental symmetry
- fluency includes recalling multiplication facts, using familiar metric units to order and compare objects, identifying and describing outcomes of chance experiments, interpreting maps and communicating positions
- problem-solving includes formulating and modelling authentic situations involving planning methods of data collection and representation, making models of three-dimensional objects and using number properties to continue number patterns
- reasoning includes using generalising from number properties and results of calculations, comparing angles and creating and interpreting variations in the results of data collections and data displays.

Term 1 Term 2 Term 3	Term 4
Unit Students develop understandings of: Students develop understandings of:	 Students develop understandings of: Number and place value — recall addition and related subtraction number facts, use number facts to add and subtract larger numbers, use part-part-whole thinking to interpret and solve addition and subtraction word problems, add and subtract using a written place value strategy, recall multiplication and related division facts, multiply two-digit numbers by single-digit multipliers, interpret and solve multiplication and division word problems Money and financial mathematics — count the change required for simple transactions to the nearest five cents Shape — make models of three-dimensional objects Location and transformation — represent symmetry, interpret simple maps and plans Geometric reasoning — identify angles as measures of turn, compare angle sizes in everyday situations Chance — conduct chance experiments, make predictions based on data displays Data representation and interpretation — identify questions of interest based on one categorical variable, gather data relevant to a question, organise and represent data, and interpret data displays. Using units of measurement — use familiar metric units to order, compare and measure length using part units and centimetres, represent time to the minute on digital and analog clocks, telling time to five minutes and minute, transfer knowledge of time to real-life contexts

ASSESSMENT		SEMESTER 1					SEMESTER 2				
		Term 1		Term 2		Term 3			Term 4		
		Representing, adding & subtracting numbers-AT1	Conduct chance experiment- AT2	Add, subtract, partition- AT3	Symmetry, 3D objects, angles- AT4	Investigate positions on maps- AT5	Length, mass, capacity-metric units-AT6	Patterning, addition, subtraction-AT7	Unit fractions, multiplication- AT8	Get right change- AT9	Telling time-AT10
Range and balance of summative assessment conventions	Technique	Test	Test	Test	Test	Investigation MGI	Test	Test	Test	Investigation MGI	Test
	Type of text	Short answer	Short answer Practical	Short answer	Short answer Practical	Project Practical	Short answer	Short answer	Short answer	Project	Short answer
	Mode	Written	Written	Written	Written	Written	Written	Written	Written	Written	Written
	Conditions	Individual	Individual	Test conditions Individual	Individual	Small groups	Individual	Individual	Individual	Individual test conditions	Small groups
Aspects of the achievement standard											
recognise the connection between addition and subtraction and solve problems using efficient strategies for multiplication		×							×		
model and represent unit fractions									~		
represent money values in various ways										✓	
identify symmetry in the environment					✓						
match positions on maps with given information						v					
recognise angles in real situations					✓						
interpret and compare data displays			✓								
count to and from 10 000		~		√							
classify numbers as either odd or even								~			
recall addition and multiplication facts for single-digit numbers				1					1		
correctly count out change from financial transactions										1	
continue number patterns involving addition and subtraction								✓			
use metric units for length, mass and capacity							*				
tell time to the nearest minute											~
make models of three-dimensional objects					√						
conduct chance experiments and list possible outcomes			✓								
conduct simple data investigations for categorical variables			1								

Term 1 Term 2 Term 3 Term 4 🗸 indicates opportunities that summative assessments provide for students to demonstrate evidence against aspects of the achievement standard