Prep Mathematics

ACiQ v9.0

Australian Curriculum Version 9.0: Achievement standard aligned to content descriptions

This resource shows alignment between aspects of the achievement standard and relevant content descriptions for Prep. A similar resource is available for other year levels.

The Australian Curriculum (AC) v9.0 code for each content description includes an element indicating the strand it is organised by, e.g. AC9MFN01 indicates Number strand.

Key to content description codes: Mathematics	
e.g. AC9MFN01 Australian Curriculum (**AC**) Version 9 (**9**) Mathematics (**M**) Year (**Foundation**) Strand (N, A, M, SP, ST, P) Content description number (**##**)	Strands: • N — Number • A — Algebra • M — Measurement • SP — Space • ST — Statistics P — Probability

Prep Australian Curriculum: Mathematics achievement standard

By the end of Prep, students make connections between number names, numerals and position in the sequence of numbers from zero to at least 20. They use subitising and counting strategies to quantify collections. Students compare the size of collections to at least 20. They partition and combine collections up to 10 in different ways, representing these with numbers. Students represent practical situations that involve quantifying, equal sharing, adding to and taking away from collections to at least 10. They copy and continue repeating patterns.

Students identify the attributes of mass, capacity, length and duration, and use direct comparison strategies to compare objects and events. They sequence and connect familiar events to the time of day. Students name, create and sort familiar shapes and give their reasoning. They describe the position and the location of themselves and objects in relation to other objects and people within a familiar space.

Students collect, sort and compare data in response to questions in familiar contexts.

Achievement standard aspect	Relevant content description/s	AC v9.0 code
By the end of Prep	**Students learn to:**	
Students make connections between number names, numerals and position in the sequence of numbers from zero to at least 20.	• name, represent and order numbers including zero to at least 20, using physical and virtual materials and numerals	AC9MFN01
They use subitising and counting strategies to quantify collections.	• recognise and name the number of objects within a collection up to 5 using subitising	AC9MFN02
	• quantify and compare collections to at least 20 using counting and explain or demonstrate reasoning	AC9MFN03
	• partition and combine collections up to 10 using part-part-whole relationships and subitising to recognise and name the parts	AC9MFN04
	• represent practical situations involving addition, subtraction and quantification with physical and virtual materials and use counting or subitising strategies	AC9MFN05
They compare the size of collections to at least 20.	• quantify and compare collections to at least 20 using counting and explain or demonstrate reasoning	AC9MFN03
They partition and combine collections up to 10 in different ways, representing these with numbers.	• recognise and name the number of objects within a collection up to 5 using subitising	AC9MFN02
	• partition and combine collections up to 10 using part-part-whole relationships and subitising to recognise and name the parts	AC9MFN04
They represent practical situations that involve quantifying, equal sharing, adding to and taking away from collections to at least 10.	• quantify and compare collections to at least 20 using counting and explain or demonstrate reasoning	AC9MFN03
	• represent practical situations involving addition, subtraction and quantification with physical and virtual materials and use counting or subitising strategies	AC9MFN05
	• represent practical situations that involve equal sharing and grouping with physical and virtual materials and use counting or subitising strategies	AC9MFN06
They copy and continue repeating patterns.	• recognise, copy and continue repeating patterns represented in different ways	AC9MFA01
They identify the attributes of mass, capacity, length and duration, and use direct comparison strategies to compare objects and events.	• identify and compare attributes of objects and events, including length, capacity, mass and duration, using direct comparisons and communicating reasoning	AC9MFM01
They sequence and connect familiar events to the time of day.	• sequence days of the week and times of the day including morning, lunchtime, afternoon and night time, and connect them to familiar events and actions	AC9MFM02
They name, create and sort familiar shapes and give their reasoning.	• sort, name and create familiar shapes; recognise and describe familiar shapes within objects in the environment, giving reasons	AC9MFSP01
They describe the position and the location of themselves and objects in relation to other objects and people within a familiar space.	• describe the position and location of themselves and objects in relation to other people and objects within a familiar space	AC9MFSP02
They collect, sort and compare data in response to questions in familiar contexts.	• quantify and compare collections to at least 20 using counting and explain or demonstrate reasoning	AC9MFN03
	• collect, sort and compare data represented by objects and images in response to given investigative questions that relate to familiar situations.	AC9MFST01

More information

If you would like more information, please visit the QCAA website www.qcaa.qld.edu.au. Alternatively, email the K–10 Curriculum and Assessment branch at australiancurriculum@qcaa.qld.edu.au.