

# Australian Curriculum Mathematics Alignment document\_V8.1

Year 1

Content Descriptor	Elaboration	Math-U-See Location
<b>Number and Algebra</b>		
<i>Number and place value</i>		
Develop confidence with number sequences to and from 100 by ones from any starting point. Skip count by twos, fives and tens starting from zero (ACMNA012)	<ul style="list-style-type: none"> <li>• using the popular Korean counting game (sam-yuk-gu) for skip counting developing fluency with forwards and backwards counting in meaningful</li> <li>• contexts such as circle games</li> </ul>	Primer lesson 17, 18, 19, 22, 23, 25, 26 Activity 17x-20x, 22x-26x  Alpha lesson 6, 11, 13 Activity 6x, 8x, 9x, 11x, 13x, 20x, 21x, 27x-30x
Recognise, model, read, write and order numbers to at least 100. Locate these numbers on a number line (ACMNA013)	<ul style="list-style-type: none"> <li>• modelling numbers with a range of material and images</li> <li>• identifying numbers that are represented on a number line and placing numbers on a prepared number line</li> </ul>	Primer lesson 9, 18, 23, 26, 27 Activity 23x  Alpha lesson 1, 3, 6 Activity 6x, 12x, 23x
Count collections to 100 by partitioning numbers using place value (ACMNA014)	<ul style="list-style-type: none"> <li>• understanding partitioning of numbers and the importance of grouping in tens</li> <li>• understanding two-digit numbers as comprised of tens and ones/units</li> </ul>	Primer lesson 9, 18, 23  Alpha lesson 1, 6, 9, 10 Activity 6, 28
Represent and solve simple addition and subtraction problems using a range of strategies including counting on, partitioning and rearranging parts (ACMNA015)	<ul style="list-style-type: none"> <li>• developing a range of mental strategies for addition and subtraction problems</li> </ul>	Primer lesson 17, 19, 22, 25, 29, 30 Activity 13x, 15x, 17x, 18x, 21x, 24x, 25x, 27x-30x  Alpha lesson 4, 5, 6-10, 12, 14-30 Activity 5x, 7x-12x, 14x-18x, 21x-30x
<i>Fractions and decimals</i>		
Recognise and describe one-half as one of two equal parts of a whole. (ACMNA016)	<ul style="list-style-type: none"> <li>• sharing a collection of readily available materials into two equal portions</li> <li>• splitting an object into two equal pieces and describing how the pieces are equal</li> </ul>	This learning is related to telling the time on the half hour. Refer to Primer lesson 29 and the Appendix of the Alpha level.
<i>Money and financial mathematics</i>		
Recognise, describe and order Australian coins according to their value (ACMNA017)	<ul style="list-style-type: none"> <li>• showing that coins are different in other countries by comparing Asian coins to Australian coins</li> <li>• understanding that the value of Australian coins is not related to size</li> <li>• describing the features of coins that make it possible to identify them</li> </ul>	Primer lesson 19
<i>Patterns and algebra</i>		
Investigate and describe number patterns formed by skip counting and patterns with objects (ACMNA018)	<ul style="list-style-type: none"> <li>• using place-value patterns beyond the teens to generalise the number sequence and predict the next number</li> <li>• investigating patterns in the number system, such as the occurrence of a particular digit in the numbers to 100</li> </ul>	Primer lesson 17, 18, 19, 22, 23, 25  Alpha lesson 6, 11, 13 Activity 13x

<b>Measurement and Geometry</b>		
<b>Using units of measurement</b>		
Measure and compare the lengths and capacities of pairs of objects using uniform informal units (ACMMG019)	<ul style="list-style-type: none"> <li>• understanding that in order to compare objects, the unit of measurement must be the same size</li> </ul>	
Tell time to the half-hour (ACMMG020)	<ul style="list-style-type: none"> <li>• reading time on analogue and digital clocks and observing the characteristics of half-hour times</li> </ul>	Primer lesson 29 Alpha Appendix
Describe duration using months, weeks, days and hours (ACMMG021)	<ul style="list-style-type: none"> <li>• describing the duration of familiar situations such as 'how long is it until we next come to school?'</li> </ul>	
<b>Shape</b>		
Recognise and classify familiar two dimensional shapes and three-dimensional objects using obvious features (ACMMG022)	<ul style="list-style-type: none"> <li>• focusing on geometric features and describing shapes and objects using everyday words such as 'corners', 'edges' and 'faces'</li> </ul>	Primer lesson 4, 6, 8, 16, 26 Alpha lesson 10, 12 Activity 13x, 14x
<b>Location and transformation</b>		
Give and follow directions to familiar locations (ACMMG023)	<ul style="list-style-type: none"> <li>• understanding that people need to give and follow directions to and from a place, and that this involves turns, direction and distance</li> <li>• understanding the meaning and importance of words such as 'clockwise', 'anticlockwise', 'forward' and 'under' when giving and following directions</li> <li>• interpreting and following directions around familiar locations</li> </ul>	
<b>Statistics and Probability</b>		
<b>Chance</b>		
Identify outcomes of familiar events involving chance and describe them using everyday language such as 'will happen', 'won't happen' or 'might happen' (ACMSP024)	<ul style="list-style-type: none"> <li>• justifying that some events are certain or impossible</li> </ul>	
<b>Data representation and interpretation</b>		
Choose simple questions and gather responses (ACMSP262)	<ul style="list-style-type: none"> <li>• determining which questions will gather appropriate responses for a simple investigation</li> </ul>	
Represent data with objects and drawings where one object or drawing represents one data value. Describe the displays (ACMSP263)	<ul style="list-style-type: none"> <li>• understanding one-to-one correspondence</li> <li>• describing displays by identifying categories with the greatest or least number of objects</li> </ul>	

Curriculum gaps:

Fractions and Decimals

Informal units of measure and duration of time

Location and transformation

Statistics and probability