

## New South Wales/ACT — Number Strand

Substrand	Early Stage 1	Stage 1	Stage 2	Stage 3	Stage 4
	UMI Levels 1-2	UMI Levels 3-4	UMI Levels 5-6	UMI Levels 7-8	UMI Levels 9-10
Whole Numbers Students develop a sense of the relative size of whole numbers and the role of place value in their representation.	NES1.1 Counts to 30, and orders, reads and represents numbers in the range 0 – 20.	NS1.1 Counts, orders, reads and represents 2- and 3-digit numbers.	NS2.1 Counts, orders, reads and record numbers up to 4 digits.	NS3.1 Orders, reads and writes numbers of any size.	
Addition & Subtraction Students develop facility with number facts and computation with progressively larger numbers in addition and subtraction and an appreciation of the relationship between those facts.	NES1.2 Combines, separates and compares collections of objects.	NS1.2 Uses a range of mental strategies for addition and subtraction involving 1- and 2-digit numbers.	NS2.2 Uses mental strategies for addition and subtraction involving 2, 3- and 4-digit numbers.	NS3.2 Applies appropriate strategies for addition and subtraction with counting numbers of any size.	
Multiplication & Division Students develop facility with number facts and computation with progressively larger numbers in multiplication and division and an appreciation of the relationship between those facts.	NES1.3 Groups, shares and counts collections of objects using everyday language.	NS1.2 Uses a range of mental strategies for multiplication and division.	NS2.2 Uses mental strategies for multiplication and division.	NS3.2 Selects and applies appropriate strategies for multiplication and division.	

<p>Fractions, Decimals &amp; Percentages Students develop an understanding of the parts of a whole, and the relationships between the different representations of fractions. Students operate with fractions, decimals and percentages.</p>		<p>NS1.3 Describes halves and quarters of collections.</p>	<p>NS2.3 Compares and represents commonly used fractions and decimals, adds and subtracts decimals to 2 decimal places, and interprets everyday percentages.</p>	<p>NS3.3 Compares and calculates with decimals, simple fractions and simple percentages.</p>	<p>NS4.3 Operates with fractions, decimals and percentages.</p>
<p>Operations with Whole Numbers Students recognise the properties of special groups of whole numbers and apply a range of strategies to aid computation.</p>					<p>NS4.1 Find squares, related square roots, cubes, related cube roots. Use index notation for positive integral indices.</p>
<p>Integers Students compare, order and calculate with integers.</p>					<p>NS4.2 Perform operations with directed numbers.</p>