



Australian Curriculum Version 9 Covered by Bond Blocks Addition and Subtraction Kit

Strand: Number

Place Value

★	🕒🕒🕒	🔄	<ul style="list-style-type: none"> AC9M1N01: Recognise, represent and order numbers to at least 120 using physical and virtual materials, numerals, number lines and charts.
★	🕒🕒🕒	🔄	<ul style="list-style-type: none"> AC9M1N02: Partition one- and two-digit numbers in different ways using physical and virtual materials, including partitioning two-digit numbers into tens and ones.

Counting

	🕒🕒		<ul style="list-style-type: none"> AC9M1N03: Quantify sets of objects, to at least 120, by partitioning collections into equal groups using number knowledge and skip counting.
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Addition & Subtraction

★	🕒🕒🕒	🔄	<ul style="list-style-type: none"> AC9M1N04: Add and subtract numbers within 20, using physical and virtual materials, part-part-whole knowledge to 10 and a variety of calculation strategies.* <p><i>*(Bond Blocks are representational, so the focus is up to a whole of 10. Quantities 11 – 20 should be taught with discrete materials organised into quantities that can be identified without counting. Bond Blocks focusses on quantities 11 – 20 in Year 2.)</i></p>
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Modelling

★	🕒🕒🕒	🔄	<ul style="list-style-type: none"> AC9M1N05: Use mathematical modelling to solve practical problems involving additive situations, including simple money transactions; represent the situations with diagrams, physical and virtual materials, and use calculation strategies to solve the problem.
	🕒🕒		<ul style="list-style-type: none"> AC9M1N06: Use mathematical modelling to solve practical problems involving equal sharing and grouping; represent the situations with diagrams, physical and virtual materials, and use calculation strategies to solve the problem.

Strand: Algebra

Pattern

	🕒	🔄	<ul style="list-style-type: none"> AC9M1A01: Recognise, continue and create pattern sequences, with numbers, symbols, shapes and objects, formed by skip counting, initially by twos, fives and tens.
	🕒		<ul style="list-style-type: none"> AC9M1A02: Recognise, continue and create repeating patterns with numbers, symbols, shapes and objects, identifying the repeating unit.

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Strand: Number

Place Value

★	🕒🕒🕒	🔄	<ul style="list-style-type: none"> AC9M2N01: Recognise, represent and order numbers to at least 1000 using physical and virtual materials, numerals and number lines.
★	🕒🕒🕒	🔄	<ul style="list-style-type: none"> AC9M2N02: Partition, rearrange, regroup and rename two- and three-digit numbers using standard and non-standard groupings; recognise the role of a zero digit in place value notation.

Fractions

	🕒🕒		<ul style="list-style-type: none"> AC9M2N03: Recognise and describe one-half as one of 2 equal parts of a whole and connect halves, quarters and eighths through repeated halving.
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Addition & Subtraction

★	🕒🕒🕒	🔄	<ul style="list-style-type: none"> AC9M2N04: Add and subtract one- and two-digit numbers, representing problems using number sentences and solve using part-part-whole reasoning and a variety of calculation strategies.* <p><i>*(Bond Blocks covers wholes up to 30. It focusses on developing strategies with understanding, that are then applied to numbers greater than 30 using non-Bond Block resources.)</i></p>
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Multiplication & Division

★	🕒🕒🕒	🔄	<ul style="list-style-type: none"> AC9M2N05: Multiply and divide by one-digit numbers using repeated addition, equal grouping, arrays, and partitioning to support a variety of calculation strategies.
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Modelling

★	🕒🕒🕒	🔄	<ul style="list-style-type: none"> AC9M2N06: Use mathematical modelling to solve practical problems involving additive and multiplicative situations, including money transactions; represent situations and choose calculation strategies; interpret and communicate solutions in terms of the situation.
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Strand: Algebra

Pattern

	🕒		<ul style="list-style-type: none"> AC9M2A01: Recognise, describe and create additive patterns that increase or decrease by a constant amount, using numbers, shapes and objects, and identify missing elements in the pattern.
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Addition & Subtraction

★	🕒🕒🕒	🔄	<ul style="list-style-type: none"> AC9M2A02: Recall and demonstrate proficiency with addition facts to 20; extend and apply facts to develop related subtraction facts.
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Multiplication & Division

★	🕒🕒	🔄	<ul style="list-style-type: none"> AC9M2A03: Recall and demonstrate proficiency with multiplication facts for twos; extend and apply facts to develop the related division facts using doubling and halving.
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Strand: Number



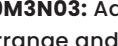

Place Value

- ★     **AC9M3N01:** Recognise, represent and order natural numbers using naming and writing conventions for numerals beyond 10 000.



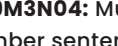

Fractions

-    **AC9M3N02:** Recognise and represent unit fractions including $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$, and $\frac{1}{10}$ and their multiples in different ways; combine fractions with the same denominator to complete the whole.


Addition & Subtraction

- ★     **AC9M3N03:** Add and subtract two- and three-digit numbers using place value to partition, rearrange and regroup numbers to assist in calculations without a calculator.





Multiplication & Division

- ★     **AC9M3N04:** Multiply and divide one- and two-digit numbers, representing problems using number sentences, diagrams and arrays, and using a variety of calculation strategies.


Estimation

-  **AC9M3N05:** Estimate the quantity of objects in collections and make estimates when solving problems to determine the reasonableness of calculations.

Modelling



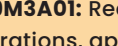

- ★     **AC9M3N06:** Use mathematical modelling to solve practical problems involving additive and multiplicative situations including financial contexts; formulate problems using number sentences and choose calculation strategies, using digital tools where appropriate; interpret and communicate solutions in terms of the situation.



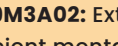

Pattern

-  **AC9M3N07:** Follow and create algorithms involving a sequence of steps and decisions to investigate numbers; describe any emerging patterns.



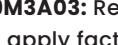

Strand: Algebra

Addition & Subtraction

- ★     **AC9M3A01:** Recognise and explain the connection between addition and subtraction as inverse operations, apply to partition numbers and find unknown values in number sentences.

- ★     **AC9M3A02:** Extend and apply knowledge of addition and subtraction facts to 20 to develop efficient mental strategies for computation with larger numbers without a calculator.

Multiplication & Division

- ★     **AC9M3A03:** Recall and demonstrate proficiency with multiplication facts for 3, 4, 5 and 10; extend and apply facts to develop the related division facts.

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