

# Mathematics K–6 continuum of key ideas

## Number and Algebra

Early Stage 1	Stage 1	Stage 2	Stage 3
<p><b>Whole Numbers</b></p> <p>Count forwards to 30 from a given number</p> <p>Count backwards from a given number in the range 0 to 20</p> <p>Compare, order, read and represent numbers to at least 20</p> <p>Read and use the ordinal names to at least 'tenth'</p> <p>Subitise small collections of objects</p> <p>Use the term 'is the same as' to express equality of groups</p> <p>Use the language of money</p>	<p><b>Whole Numbers</b></p> <p><b>Part 1</b></p> <p>Count forwards and backwards by ones from a two-digit number</p> <p>Partition two-digit numbers using place value</p> <p>Read, write and order two-digit numbers</p> <p>Read and use ordinal names to at least 'thirty-first'</p> <p>Recognise, describe and order Australian coins according to their value</p> <p><b>Part 2</b></p> <p>Count forwards and backwards by twos, threes, fives and tens from any starting point</p> <p>Partition numbers of up to three digits using place value</p> <p>Read, write and order three-digit numbers</p> <p>Recognise, count and order Australian coins and notes according to their value</p>	<p><b>Whole Numbers</b></p> <p><b>Part 1</b></p> <p>Count forwards and backwards by tens and hundreds from any starting point</p> <p>State the place value of digits in numbers of up to four digits</p> <p>Read, write and order numbers of up to four digits</p> <p><b>Part 2</b></p> <p>State the place value of digits in numbers of up to five digits</p> <p>Read, write and order numbers of up to five digits</p> <p>Record numbers of up to five digits using expanded notation</p>	<p><b>Whole Numbers</b></p> <p><b>Part 1</b></p> <p>Read, write and order numbers of any size</p> <p>State the place value of digits in numbers of any size</p> <p>Record numbers of any size using expanded notation</p> <p>Determine factors and multiples of whole numbers</p> <p><b>Part 2</b></p> <p>Recognise the location of negative numbers in relation to zero on a number line</p> <p>Identify and describe prime and composite numbers</p> <p>Model and describe square and triangular numbers</p>
<p><b>Addition and Subtraction</b></p> <p>Combine two or more groups of objects to model addition</p> <p>Take part of a group away to model subtraction</p> <p>Compare two groups to determine 'how many more'</p> <p>Record addition and subtraction informally</p>	<p><b>Addition and Subtraction</b></p> <p><b>Part 1</b></p> <p>Model addition and subtraction using concrete materials</p> <p>Recognise and recall combinations of numbers that add to numbers up to 20</p> <p>Model and apply the commutative property for addition</p> <p>Record number sentences using drawings, words, numerals and the symbols +, – and =</p> <p>Use and record a range of mental strategies for addition and subtraction of one- and two-digit numbers</p> <p>Use the equals sign to record equivalent number sentences</p> <p><b>Part 2</b></p> <p>Make connections between addition and subtraction</p> <p>Use and record a range of mental strategies for addition and subtraction of two-digit numbers</p> <p>Solve word problems involving addition and subtraction</p>	<p><b>Addition and Subtraction</b></p> <p><b>Part 1</b></p> <p>Model and apply the associative property for addition</p> <p>Use and record a range of mental strategies for addition and subtraction of two-, three- and four-digit numbers</p> <p>Perform calculations with money, including calculating equivalent amounts using different denominations</p> <p>Use the equals sign to record equivalent number sentences</p> <p><b>Part 2</b></p> <p>Use the inverse operation to check addition and subtraction calculations</p> <p>Use and record a range of mental strategies for addition and subtraction of two-, three-, four- and five-digit numbers</p> <p>Use the formal written algorithm for addition and subtraction</p> <p>Solve word problems, including those involving money</p>	<p><b>Addition and Subtraction</b></p> <p><b>Part 1</b></p> <p>Select and apply efficient mental, written and calculator strategies for addition and subtraction of numbers of any size</p> <p>Use estimation to check answers to calculations</p> <p>Solve word problems and record the strategy used, including problems involving money</p> <p>Create a simple budget</p> <p><b>Part 2</b></p> <p>Select and apply efficient mental, written and calculator strategies to solve word problems and record the strategy used</p>
<p><b>Multiplication and Division</b></p> <p>Investigate and model equal groups</p> <p>Record grouping and sharing using informal methods</p>	<p><b>Multiplication and Division</b></p> <p><b>Part 1</b></p> <p>Rhythmic and skip count by twos, fives and tens from zero</p> <p>Model and use equal 'groups of' objects as a strategy for multiplication</p> <p>Model division by sharing a collection equally into a given number of groups to determine the number in each group</p> <p>Model division by sharing a collection equally into groups of a given size to determine the number of groups</p> <p><b>Part 2</b></p> <p>Model and use repeated addition as a strategy for multiplication</p> <p>Model and use arrays described in terms of 'rows' and 'columns' as a strategy for multiplication</p> <p>Model and use groups, arrays and repeated subtraction as strategies for division</p> <p>Record using drawings, words and numerals</p>	<p><b>Multiplication and Division</b></p> <p><b>Part 1</b></p> <p>Recall multiplication facts for twos, threes, fives and tens</p> <p>Recognise and use the symbols <math>\times</math> and <math>\div</math></p> <p>Link multiplication and division using arrays</p> <p>Model and apply to commutative property for multiplication</p> <p>Use mental strategies to multiply one-digit numbers by multiples of 10</p> <p>Use and record a range of mental strategies for multiplication of two single-digit numbers</p> <p><b>Part 2</b></p> <p>Recall and use multiplication facts up to <math>10 \times 10</math> with automaticity</p> <p>Relate multiplication facts to their inverse division facts</p> <p>Determine multiples and factors of whole numbers</p> <p>Use the equals sign to record equivalent number relationships involving multiplication</p> <p>Use and record a range of mental and informal written strategies for multiplication and division of two-digit numbers by a one-digit operator</p> <p>Use mental strategies and informal recording methods for division with remainders</p>	<p><b>Multiplication and Division</b></p> <p><b>Part 1</b></p> <p>Use and record a range of mental and written strategies to multiply by one- and two-digit operators</p> <p>Use the formal algorithm for multiplication by one- and two-digit operators</p> <p>Use and record a range of mental and written strategies to divide numbers with three or more digits by a one-digit operator, including problems that result in a remainder</p> <p>Solve word problems and record the strategy used</p> <p>Interpret remainders in division problems</p> <p>Use estimation to check answers to calculations</p> <p><b>Part 2</b></p> <p>Select and apply efficient mental, written and calculator strategies to solve word problems and record the strategy used</p> <p>Recognise and use grouping symbols</p> <p>Apply the order of operations in calculations</p>

Early Stage 1	Stage 1	Stage 2	Stage 3
<p><b>Fractions and Decimals</b> Establish the concept of one-half Record halves of objects using drawings</p>	<p><b>Fractions and Decimals</b> <i>Part 1</i> Recognise, describe and represent one-half as one of two equal parts of whole objects, shapes and collections  Use fraction notation <math>\frac{1}{2}</math>  <i>Part 2</i> Recognise, describe and represent halves, quarters and eighths of whole objects, shapes and collections  Use fraction notation <math>\frac{1}{4}</math> and <math>\frac{1}{8}</math></p>	<p><b>Fractions and Decimals</b> <i>Part 1</i> Model and represent fractions with denominators 2, 3, 4, 5 and 8 Count by halves, quarters and thirds, including with mixed numerals Represent fractions on number lines, including number lines that extend beyond 1  <i>Part 2</i> Model and find equivalence between fractions with denominators 2, 4 and 8; 3 and 6; and 5, 10 and 100 Apply the place value system to represent tenths and hundredths as decimals Make connections between fraction and decimal notation Model, compare and represent decimals with one and two decimal places Represent decimals on number lines</p>	<p><b>Fractions and Decimals</b> <i>Part 1</i> Compare and order unit fractions with denominators 2, 3, 4, 5, 6, 8, 10, 12 and 100 Express mixed numerals as improper fractions and vice versa Model and represent strategies to add and subtract fractions with the same denominator Apply the place value system to represent thousandths as decimals Compare, order and represent decimals with up to three decimal places  <i>Part 2</i> Represent, compare and order fractions with denominators 2, 3, 4, 5, 6, 8, 10, 12 and 100 Determine, generate and record equivalent fractions Write fractions in their 'simplest form' Add and subtract fractions, included mixed numerals, with the same or related denominators Multiply fractions by whole numbers Find a simple fraction of a quantity Use mental, written and calculator strategies to add and subtract decimals with up to three decimal places Use mental, written and calculator strategies to multiply decimals by one- and two-digit whole numbers Use mental, written and calculator strategies to divide decimals by one-digit whole numbers Multiply and divide decimals by 10, 100 and 1000 Solve word problems involving fractions and decimals, including money problems Make connections between equivalent percentages, fractions and decimals Use mental, written and calculator strategies to calculate 10%, 25% and 50% of quantities, including as discounts</p>
<p><b>Patterns and Algebra</b> Sort and classify objects into groups Recognise, copy, continue, create and describe repeating patterns of objects and drawings</p>	<p><b>Patterns and Algebra</b> <i>Part 1</i> Recognise, copy, continue, create and describe increasing and decreasing number patterns Recognise, copy, create, continue and describe repeating patterns of objects or symbols Model and describe odd and even numbers  <i>Part 2</i> Describe patterns with numbers and identify missing elements Find missing numbers in number sentences involving one operation of addition or subtraction</p>	<p><b>Patterns and Algebra</b> <i>Part 1</i> Identify, continue, create, describe and record increasing and decreasing number patterns Identify odd and even numbers of up to four digits  <i>Part 2</i> Find missing numbers in number sentences involving addition or subtraction on one or both sides of the equals sign Investigate and use the properties of odd and even numbers Recognise, continue and describe number patterns resulting from performing multiplication Find missing numbers in number sentences involving one operation of multiplication or division</p>	<p><b>Patterns and Algebra</b> <i>Part 1</i> Identify, continue create and describe increasing and decreasing number patterns with fractions, decimals and whole numbers Find missing numbers in number sentences involving multiplication or division on one or both sides of the equals sign  <i>Part 2</i> Continue, create, record and describe geometric and number patterns in words Determine the rule for geometric and number patterns in words and use the rule to calculate values Locate and record the coordinates of points in all four quadrants of the Cartesian plane</p>

# Measurement and Geometry

Early Stage 1	Stage 1	Stage 2	Stage 3
<p><b>Length</b></p> <p>Identify the attribute of 'length' as a measure of an object from end to end</p> <p>Describe length and distance using everyday language, including comparatives</p> <p>Compare lengths using direct comparison</p> <p>Record comparisons of length informally</p>	<p><b>Length</b></p> <p><b>Part 1</b></p> <p>Use uniform informal units to measure, compare and estimate lengths</p> <p><b>Part 2</b></p> <p>Record lengths by referring to the number and type of uniform informal unit used</p> <p>Compare and order shapes/objects based on length measured using uniform informal units</p> <p>Recognise the need for formal units to measure length</p> <p>Use metres and centimetres to measure and estimate lengths and distances</p> <p>Record lengths using the abbreviations m and cm</p>	<p><b>Length</b></p> <p><b>Part 1</b></p> <p>Use metres, centimetres and millimetres to measure, compare, order and estimate lengths</p> <p>Record lengths using the abbreviations m, cm and mm</p> <p><b>Part 2</b></p> <p>Select and use appropriate scaled instruments and units to measure and compare lengths</p> <p>Estimate and measure perimeters of two-dimensional shapes</p> <p>Convert between metres, centimetres and millimetres</p> <p>Record lengths and distances using decimal notation to two decimal places</p> <p>Use a scaled instrument to measure and compare temperatures</p> <p>Record temperatures using the symbol for degrees (°)</p>	<p><b>Length</b></p> <p><b>Part 1</b></p> <p>Use the kilometre to measure lengths and distances</p> <p>Select and use appropriate instruments and units to measure lengths</p> <p>Record lengths and distances using the abbreviations km, m, cm and mm</p> <p>Find perimeters of common two-dimensional shapes and record the strategy</p> <p><b>Part 2</b></p> <p>Record lengths and distances using decimal notation to three decimal places</p> <p>Convert between kilometres, metres, centimetres and millimetres</p> <p>Solve problems involving length and perimeter</p>
<p><b>Area</b></p> <p>Identify the attribute of 'area' as a measure of the amount of surface</p> <p>Describe area using everyday language, including comparatives</p> <p>Compare areas using direct comparison</p> <p>Record comparisons of area informally</p>	<p><b>Area</b></p> <p><b>Part 1</b></p> <p>Use uniform informal units to measure and estimate areas</p> <p>Record areas by referring to the number and type of uniform informal unit used</p> <p><b>Part 2</b></p> <p>Compare and order surfaces based on area measured using uniform informal units</p>	<p><b>Area</b></p> <p><b>Part 1</b></p> <p>Recognise the need for formal units to measure area</p> <p>Use square centimetres and square metres to measure and estimate rectangular (and square) areas</p> <p>Record lengths using the abbreviations cm<sup>2</sup> and m<sup>2</sup></p> <p><b>Part 2</b></p> <p>Measure and compare the areas of regular and irregular shapes using a square-centimetre grid</p> <p>Compare areas measured in square centimetres and square metres</p>	<p><b>Area</b></p> <p><b>Part 1</b></p> <p>Recognise the need for square kilometres and hectares to measure area</p> <p>Record areas using the abbreviations km<sup>2</sup> and ha</p> <p>Develop a strategy to find areas of rectangles (including squares) and record the strategy in words</p> <p><b>Part 2</b></p> <p>Develop a strategy to find areas of triangles and record the strategy in words</p> <p>Solve problems involving areas of rectangles (including squares) and triangles</p>
<p><b>Volume and Capacity</b></p> <p>Identify the attribute of 'capacity' as a measure of the amount of substance a container can hold</p> <p>Identify the attribute of 'volume' as a measure of the amount of space an object occupies</p> <p>Describe capacity and volume using everyday language, including comparatives</p> <p>Compare volumes and capacities using direct comparison</p> <p>Record comparisons of capacity and volume informally</p>	<p><b>Volume and Capacity</b></p> <p><b>Part 1</b></p> <p>Use uniform informal units to measure, compare and estimate capacities</p> <p>Use uniform informal units to measure and estimate volumes</p> <p>Record capacities and volumes by referring to the number and type of uniform informal unit used</p> <p><b>Part 2</b></p> <p>Compare and order objects based on capacity and volume measured using uniform informal units</p>	<p><b>Volume and Capacity</b></p> <p><b>Part 1</b></p> <p>Recognise the need for formal units to measure capacity and volume</p> <p>Use litres to measure, compare and estimate capacities and volumes</p> <p>Use cubic centimetres to measure and compare volumes</p> <p>Record capacities and volumes using the abbreviations L and cm<sup>3</sup></p> <p><b>Part 2</b></p> <p>Use litres and millilitres to measure, compare and estimate capacities and volumes</p> <p>Record capacities and volumes using the abbreviations L and mL</p> <p>Convert between litres and millilitres</p> <p>Compare volumes of objects by submerging each in water</p>	<p><b>Volume and Capacity</b></p> <p><b>Part 1</b></p> <p>Use cubic centimetres and cubic metres to measure and estimate volumes</p> <p>Select and use appropriate units to measure volume</p> <p>Record volumes using the abbreviations cm<sup>3</sup> and m<sup>3</sup></p> <p><b>Part 2</b></p> <p>Connect volume and capacity and their units of measurement</p> <p>Record volumes and capacities using decimal notation to three decimal places</p> <p>Convert between millilitres and litres</p> <p>Develop a strategy to find volumes of rectangular prisms and record the strategy in words</p>
<p><b>Mass</b></p> <p>Identify the attribute of 'mass' as a measure of the amount of matter in an object</p> <p>Describe mass using everyday language, including comparatives</p> <p>Compare masses directly by hefting</p> <p>Record comparisons of mass informally</p>	<p><b>Mass</b></p> <p><b>Part 1</b></p> <p>Place objects on either side of a pan balance to obtain a level balance</p> <p>Use a pan balance to compare two objects based on mass</p> <p><b>Part 2</b></p> <p>Use uniform informal units to measure, compare and estimate the masses of objects</p> <p>Record masses by referring to the number and type of uniform informal unit used</p>	<p><b>Mass</b></p> <p><b>Part 1</b></p> <p>Recognise the need for formal units to measure mass</p> <p>Use kilograms to measure, compare, order and estimate masses</p> <p>Record masses using the abbreviation kg</p> <p><b>Part 2</b></p> <p>Use kilograms and grams to measure and compare masses using a scaled instrument</p> <p>Record masses using the abbreviations kg and g</p>	<p><b>Mass</b></p> <p><b>Part 1</b></p> <p>Recognise the need for tonnes to measure mass</p> <p>Record masses using the abbreviations t, kg and g</p> <p>Select and use appropriate instruments and units to measure mass</p> <p>Distinguish between 'gross mass' and 'net mass'</p> <p>Solve problems involving mass</p> <p><b>Part 2</b></p> <p>Record mass using decimal notation to three decimal places</p> <p>Convert between tonnes, kilograms and grams</p>
<p><b>Time</b></p> <p>Compare and order the duration of events using everyday language</p> <p>Sequence events in time</p> <p>Connect days of the week to familiar events and actions</p> <p>Tell time on the hour on digital and analog clocks</p>	<p><b>Time</b></p> <p><b>Part 1</b></p> <p>Name and order months and seasons</p> <p>Use a calendar to identify the date and determine the number of days in each month</p> <p>Tell time to the half-hour</p> <p><b>Part 2</b></p> <p>Use a calendar to determine duration in months, weeks and days</p> <p>Use informal units to measure and compare the durations of events</p> <p>Experience activities with duration of one hour, half/quarter of an hour, one minute and a few seconds</p> <p>Tell time to the quarter-hour, using the language of 'past' and 'to'</p>	<p><b>Time</b></p> <p><b>Part 1</b></p> <p>Recognise the coordinated movements of the hands on a clock</p> <p>Read and record time to the minute, using digital notation and the terms 'past' and 'to'</p> <p><b>Part 2</b></p> <p>Convert between seconds, minutes, hours and days</p> <p>Use and interpret am and pm notation</p> <p>Read and interpret simple timetables, timelines and calendars</p>	<p><b>Time</b></p> <p><b>Part 1</b></p> <p>Convert between 12- and 24-hour time</p> <p>Determine and compare the duration of events</p> <p><b>Part 2</b></p> <p>Interpret and use timetables</p> <p>Draw and interpret timelines using a given scale</p>

Early Stage 1	Stage 1	Stage 2	Stage 3
<p><b>Three-Dimensional Space</b></p> <p>Describe features of common three-dimensional objects using everyday language</p> <p>Sort and manipulate three-dimensional objects found in the environment</p>	<p><b>Three-Dimensional Space</b></p> <p><b>Part 1</b></p> <p>Distinguish between flat and curved surfaces</p> <p>Use the term 'faces' to describe flat surfaces with straight edges</p> <p>Identify cones, cubes, cylinders, spheres and prisms presented in different orientations, in pictures and the environment</p> <p>Recognise that three-dimensional objects look different from different vantage-points</p> <p><b>Part 2</b></p> <p>Use the terms 'flat surface', 'curved surface', 'face', 'edge' and 'vertex' appropriately to describe three-dimensional objects</p> <p>Recognise faces of three-dimensional objects as two-dimensional shapes</p> <p>Distinguish between three-dimensional objects and two-dimensional shapes</p> <p>Represent three-dimensional objects in models and drawings</p>	<p><b>Three-Dimensional Space</b></p> <p><b>Part 1</b></p> <p>Identify, describe and compare features of prisms, pyramids, cylinders, cones and spheres</p> <p>Make models of three-dimensional objects</p> <p>Create nets from everyday packages</p> <p><b>Part 2</b></p> <p>Represent three-dimensional objects in drawings showing depth</p> <p>Sketch three-dimensional objects from different views</p> <p>Interpret and make drawings of objects on isometric grid paper</p>	<p><b>Three-Dimensional Space</b></p> <p><b>Part 1</b></p> <p>Name prisms and pyramids according to the shape of their 'base'</p> <p>Recognise that prisms have a uniform cross-section and pyramids do not</p> <p>Describe and compare properties of prisms and pyramids in terms of their faces, edges and vertices</p> <p>Connect three-dimensional objects with their nets</p> <p><b>Part 2</b></p> <p>Construct prisms and pyramids using a variety of materials, and given drawings from different views</p>
<p><b>Two-Dimensional Space</b></p> <p>Identify, name and describe circles, squares, triangles and rectangles presented in different orientations, in pictures and the environment</p> <p>Sort, manipulate, make and draw circles, squares, triangles and rectangles</p>	<p><b>Two-Dimensional Space</b></p> <p><b>Part 1</b></p> <p>Identify horizontal, vertical and parallel lines</p> <p>Identify and name triangles, quadrilaterals, pentagons, hexagons and octagons presented in different orientations, in pictures and the environment</p> <p>Use the terms 'side' and 'vertex' to describe and compare two-dimensional shapes</p> <p><b>Part 2</b></p> <p>Make and draw two-dimensional shapes in different orientations</p> <p>Identify, perform and record the result of one-step 'slides' and 'flips'</p> <p>Make symmetrical designs with a variety of materials</p> <p>Identify, perform, describe and record the result of full, half and quarter 'turns'</p>	<p><b>Two-Dimensional Space</b></p> <p><b>Part 1</b></p> <p>Identify and name the special quadrilaterals presented in different orientations</p> <p>Identify and describe shapes as 'regular' or 'irregular'</p> <p>Describe and compare features of shapes, including the special quadrilaterals</p> <p>Identify and draw lines of symmetry on shapes</p> <p><b>Part 2</b></p> <p>Combine common shapes to form other shapes and record the arrangement</p> <p>Split common shapes into other shapes and record the result</p> <p>Use transformations to create and describe symmetrical designs</p> <p>Create and record tessellating designs</p>	<p><b>Two-Dimensional Space</b></p> <p><b>Part 1</b></p> <p>Identify, name and draw right-angled, equilateral, isosceles and scalene triangles</p> <p>Compare and describe side properties of the special quadrilaterals and special triangles</p> <p>Explore angle properties of the special quadrilaterals and special triangles</p> <p>Classify and draw regular and irregular two-dimensional shapes from descriptions of their features</p> <p>Use the terms 'translate', 'reflect' and 'rotate' to describe transformations of shapes</p> <p>Identify line and rotational symmetries</p> <p>Make and compare enlargements of shapes/pictures</p> <p><b>Part 2</b></p> <p>Identify, describe, compare and draw diagonals of two-dimensional shapes</p> <p>Identify and name parts of circles</p> <p>Identify, use and describe combinations of translations, reflections and rotations</p>
		<p><b>Angles</b></p> <p><b>Part 1</b></p> <p>Identify and describe angles as measures of turn</p> <p>Compare angle sizes in everyday situations</p> <p>Identify 'perpendicular' lines and 'right angles'</p> <p><b>Part 2</b></p> <p>Draw and classify angles as acute, obtuse, straight, reflex or a revolution</p>	<p><b>Angles</b></p> <p><b>Part 1</b></p> <p>Recognise the need for formal units to measure angles</p> <p>Measure, compare and estimate angles in degrees (up to 360°)</p> <p>Record angle measurements using the symbol for degrees (°)</p> <p>Construct angles using a protractor (up to 360°)</p> <p>Describe angle size in degrees for each angle classification</p> <p><b>Part 2</b></p> <p>Identify and name angle types formed by the intersection of straight lines, including 'angles on a straight line', 'angles at a point' and 'vertically opposite angles'</p> <p>Use known angle results to find unknown angles in diagrams</p>
<p><b>Position</b></p> <p><b>Part 1</b></p> <p>Give and follow simple directions</p> <p>Describe position using everyday language</p> <p>Use the terms 'left' and 'right' to describe position in relation to self</p>	<p><b>Position</b></p> <p><b>Part 1</b></p> <p>Give and follow directions to move to familiar locations and to position objects</p> <p>Use the terms 'left' and 'right' to describe position in relation to self and from the perspective of a person facing in the opposite direction</p> <p>Describe a path from one location to another</p> <p><b>Part 2</b></p> <p>Interpret simple maps of familiar locations</p> <p>Represent the position of objects in models, photographs and drawings</p>	<p><b>Position</b></p> <p><b>Part 1</b></p> <p>Use grid-referenced maps to locate and describe positions and pathways</p> <p>Draw simple maps, with and without a grid</p> <p><b>Part 2</b></p> <p>Determine directions N, E, S, W and NE, SE, SW, NW, given one of the directions</p> <p>Interpret legends and directions on maps</p> <p>Use the scale to calculate the distance between two points on maps</p>	<p><b>Position</b></p> <p>Use grid-referenced maps to locate and describe positions</p> <p>Follow a sequence of directions, including compass directions, to find a particular location on a map</p> <p>Describe routes using landmarks and directional language</p> <p><i>Note: There is only one part in the Position strand in Stage 3.</i></p>

# Statistics and Probability

Early Stage 1	Stage 1	Stage 2	Stage 3
<p><b>Data</b> Collect information about themselves and their environment Organise actual objects into data displays Interpret data displays made from objects</p>	<p><b>Data</b> <b>Part 1</b> Collect data and track what has been counted Create data displays using objects and pictures (one-to-one correspondence) and interpret them <b>Part 2</b> Pose questions and collect categorical data Create data displays using lists, tables and picture graphs (one-to-one correspondence) and interpret them</p>	<p><b>Data</b> <b>Part 1</b> Plan methods for data collection Collect data, organise into categories and create displays using lists, tables, picture graphs and simple column graphs (one-to-one correspondence) Interpret and compare data displays <b>Part 2</b> Select, trial and refine methods for data collection, including survey questions and recording sheets Construct data displays, including tables, and column graphs and picture graphs of many-to-one correspondence Evaluate the effectiveness of different displays</p>	<p><b>Data</b> <b>Part 1</b> Collect categorical and numerical data by observation and by survey Construct data displays, including tables, column graphs, dot plots and line graphs, appropriate for the data type Describe and interpret data presented in tables, column graphs, dot plots and line graphs <b>Part 2</b> Interpret and create two-way tables Interpret side-by-side column graphs Compare a range of data displays to determine the most appropriate display for particular sets of data Interpret and critically evaluate data presented in digital media and elsewhere</p>
	<p><b>Chance</b> <b>Part 1</b> Recognise the element of chance in familiar situations Describe chance events using everyday language <b>Part 2</b> Identify practical activities and everyday events that involve chance Describe events as 'likely' or 'unlikely' Distinguish between 'possible' and 'impossible' events Identify some events as 'certain' or 'impossible'</p>	<p><b>Chance</b> <b>Part 1</b> Identify and describe possible 'outcomes' of chance experiments Predict and record all possible combinations in a chance situation Conduct chance experiments and compare predicted with actual results <b>Part 2</b> Describe possible everyday events and order their chances of occurring Identify everyday events where one occurring cannot happen if the other happens Identify events where the chance of one occurring will not be affected by the occurrence of the other</p>	<p><b>Chance</b> <b>Part 1</b> List outcomes of chance experiments involving equally likely outcomes Represent probabilities using fractions Recognise that probabilities range from 0 to 1 <b>Part 2</b> Compare observed frequencies in chance experiments with expected frequencies Represent probabilities using fractions, decimals and percentages Conduct chance experiments with both small and large numbers of trials</p>