



## Placement Test Overview: What does your child's placement level mean?

The Mathseeds Placement Test assesses what your child already knows. This ensures that your child begins at the right level.

## Reception Lessons

If your child was placed between lesson 1 and 41 – they have been placed in the Reception level of the program.

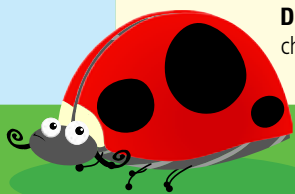
Placement lesson	What do they know?	Next 10 lessons	What will they study next?
1	Starting from the beginning, assuming no prior knowledge.	1-10	<b>Numbers:</b> 1-5, numerals & words, sequence, count items. <b>Shapes:</b> name & sort circles, squares, triangles. <b>Colours:</b> identify primary colours, mix secondary colours.
11	<b>Number:</b> numbers 1-5 <b>Geometry:</b> 2D—circle, square, triangle	11-20	<b>Numbers:</b> 0-10, numerals & words, sequence, count items. <b>Measurement:</b> comparative size language—big & small. <b>Shapes:</b> name rectangles, sort basic 2D shapes.
21	<b>Number:</b> numbers 0-10 <b>Measurement:</b> size <b>Geometry:</b> 2D—circle, square, triangle, rectangle	21-30	<b>Numbers:</b> 0-10, sequence forward & back, compare groups, use number lines, subitise small groups. <b>Patterns:</b> 2D shape, object and colour patterns. <b>Addition:</b> to 6, count to add & write equations. <b>Measurement:</b> comparative length & mass language. <b>Shapes:</b> name & sort 2D shapes, identify types of lines.
31	<b>Number:</b> numbers 0-10 <b>Operations:</b> addition to 6 <b>Measurement:</b> basic concepts of size, length, mass <b>Geometry:</b> basic 2D shapes, lines, patterns	31-40	<b>Numbers:</b> 0-10, sequence forward & back, estimate quantities, compare groups, subitise, revise words 0-10. <b>Patterns:</b> 2D shape, size, object and colour patterns. <b>Addition:</b> to 10, pairs that add to 10, add on a number line. <b>Measurement:</b> comparative capacity language. <b>Time:</b> order events, comparative time language. <b>Shapes:</b> name & sort cubes & spheres, identify—stack or roll.
41	<b>Number:</b> numbers 0-10 <b>Operations:</b> addition to 10 <b>Measurement:</b> basic concepts of size, length, mass, capacity & time <b>Geometry:</b> basic 2D shapes, 3D—cubes & spheres, patterns	41-50	<b>Numbers:</b> 0-20, numerals & words, sequence, compare groups & numbers, compose teen numbers into 10 & 1s, count along number lines. <b>Addition:</b> to 10, find pairs that add to 10, count to add, write equations, double numbers 1-5. <b>Time:</b> days of the week. <b>Shapes:</b> name & sort cones & cylinders.



## Year 1 Lessons

If your child was placed between lesson 51 and 91 – they have been placed in the First Year level of the program.

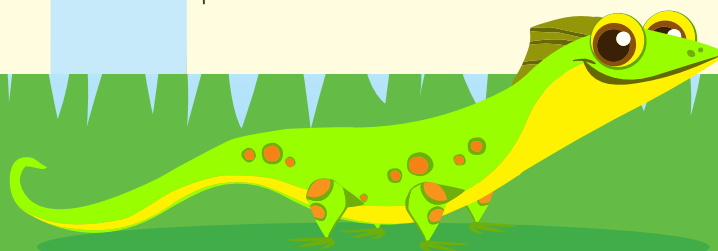
Placement lesson	What do they know?	Next 10 lessons	What will they study next?
51	<p><b>Number:</b> numbers 0-20</p> <p><b>Operations:</b> addition to 10</p> <p><b>Measurement:</b> basic concepts of length, mass, capacity &amp; time</p> <p><b>Geometry:</b> 2D &amp; 3D shapes</p>	51-60	<p><b>Numbers:</b> to 30, compose two-digit numbers using 10s &amp; 1s.</p> <p><b>Addition:</b> to 10, with 3 groups, count on to add, solve problems using objects.</p> <p><b>Subtraction:</b> to 10, solve problems with objects &amp; equations, find the unknown number in an equation, use number lines.</p> <p><b>Measurement:</b> comparative language &amp; count squares for area.</p> <p><b>Time:</b> tell &amp; write o'clock &amp; half past times.</p> <p><b>Shapes:</b> name &amp; sort 2D shapes, compose shapes, identify 2D vs 3D.</p> <p><b>Position:</b> distance &amp; position language, give &amp; follow directions, left &amp; right.</p>
61	<p><b>Number:</b> numbers 0-30</p> <p><b>Operations:</b> addition &amp; subtraction to 10</p> <p><b>Measurement:</b> basic concepts of length, mass, &amp; capacity, informal measurement of area, time to the half hour</p> <p><b>Geometry:</b> 2D &amp; 3D shapes, position &amp; direction</p>	61-70	<p><b>Numbers:</b> to 40, ordinal numbers to 10.</p> <p><b>Fractions:</b> wholes, halves &amp; quarters, of shapes &amp; objects, &amp; notation.</p> <p><b>Addition:</b> to 30, with 3 numbers, count on to add, solve problems using number lines &amp; counting by 2s.</p> <p><b>Subtraction:</b> to 10, count the difference, use number lines.</p> <p><b>Money:</b> count &amp; order money, solve money addition problems.</p> <p><b>Time:</b> tell &amp; write o'clock &amp; half past times.</p> <p><b>Shapes:</b> 3D shapes slide/stack/roll, count sides &amp; corners, compose shapes.</p> <p><b>Position:</b> using ordinal numbers.</p>
71	<p><b>Number:</b> numbers 0-40, ordinal numbers to 10, fractions <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math></p> <p><b>Operations:</b> addition to 30 &amp; subtraction to 10</p> <p><b>Measurement:</b> basic length, mass &amp; capacity, informal units for area, time to the half hour, understand money</p> <p><b>Geometry:</b> 2D &amp; 3D shapes, position &amp; direction</p>	71-80	<p><b>Numbers:</b> to 50, skip count by 2s, 5s &amp; 10s, on objects, number lines &amp; 100 chart.</p> <p><b>Addition:</b> double numbers 1-10, use = to mean two things are 'the same'.</p> <p><b>Division &amp; multiplication:</b> grouping &amp; sharing, share collections into equal groups, total a set of equal groups.</p> <p><b>Measurement:</b> comparative mass language, balance scale.</p> <p><b>Position:</b> give &amp; follow directions, describe position.</p> <p><b>Data:</b> make, use &amp; interpret tables, tally marks &amp; pictograms.</p>
81	<p><b>Number:</b> numbers 0-50, skip counting, fractions <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math></p> <p><b>Operations:</b> add to 30, subtract to 10, group &amp; share</p> <p><b>Measurement:</b> basic length &amp; capacity, informal units for area &amp; mass, time to the half hour, money calculations</p> <p><b>Geometry:</b> 2D &amp; 3D shapes, position &amp; direction</p> <p><b>Data:</b> simple data representations</p>	81-90	<p><b>Numbers:</b> to 100, compose 2-digit numbers using 10s &amp; 1s, skip count.</p> <p><b>Addition:</b> trade ten 1s for a 10 to add.</p> <p><b>Subtraction:</b> to 20, find the difference between groups &amp; on number lines.</p> <p><b>Money:</b> identify money, make amounts, solve money problems.</p> <p><b>Measurement:</b> measure &amp; compare lengths &amp; capacities using informal units.</p> <p><b>Time:</b> tell &amp; write o'clock &amp; half past times, add hours to a time.</p> <p><b>Chance:</b> use chance language–will/won't/might happen, possible/impossible, more/less likely.</p>
91	<p><b>Number:</b> numbers 0-100, skip counting, fractions <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math></p> <p><b>Operations:</b> add to 50, subtract to 20, group &amp; share</p> <p><b>Measurement:</b> informal units for length, mass, capacity &amp; area, time to the half hour, money calculations</p> <p><b>Geometry:</b> 2D &amp; 3D shapes, position &amp; direction</p> <p><b>Data:</b> simple data representations, chance language</p>	91-100	<p><b>Addition:</b> near doubles and bridging to ten strategies, two-digit + one-digit, add multiples of ten to two-digit numbers.</p> <p><b>Subtraction:</b> take multiples of ten away from two-digit numbers, find the unknown number in an equation.</p> <p><b>Number fact families:</b> commutative property of addition, relate addition &amp; subtraction sums, use these to solve problems.</p> <p><b>Money:</b> calculate change from £10 or £20.</p> <p><b>Shapes:</b> identify prisms, recognise 2D shapes as faces of prisms.</p> <p><b>Position:</b> describe position, use the words clockwise &amp; anticlockwise.</p> <p><b>Data:</b> make &amp; interpret tables, tally marks &amp; pictograms.</p>



## Year 2 Lessons

If your child was placed between lesson 101 and 141 – they have been placed in the Second Year level of the program.

Placement lesson	What do they know?	Next 10 lessons	What will they study next?
101	<p><b>Number:</b> numbers 0-100, skip counting, fractions <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math></p> <p><b>Operations:</b> add &amp; subtract to 100, group &amp; share</p> <p><b>Measurement:</b> informal units for length, mass, capacity &amp; area, time to the half hour, money calculations</p> <p><b>Geometry:</b> 2D &amp; 3D shapes, position &amp; direction</p> <p><b>Data:</b> simple data representations, chance language</p>	101-110	<p><b>Numbers:</b> to 1000, expanded form, compose 3-digit numbers using 100s, 10s &amp; 1s, skip count by 100s, odd &amp; even numbers.</p> <p><b>Addition:</b> add 1, 10 or 100 to a 3-digit number, add 9 strategy, rules for adding odd &amp; even numbers.</p> <p><b>Subtraction:</b> subtract 1/10/100 from 3-digit number, rules to subtract odd &amp; even numbers, jump on number line to subtract.</p> <p><b>Measurement:</b> estimate, measure &amp; compare lengths in metres.</p> <p><b>Time:</b> calendar—identify dates &amp; days of week, order months.</p> <p><b>Shapes:</b> slide, flip &amp; turn 2D shapes, quarter &amp; half turns.</p> <p><b>Chance:</b> equal chance, record outcomes in a tally chart.</p>
111	<p><b>Number:</b> 0-1000, skip count, odd &amp; even, fractions <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math></p> <p><b>Operations:</b> +/– to 1000, group &amp; share</p> <p><b>Measurement:</b> measure length in metres, informal units for mass, capacity &amp; area, dates, time to the half hour, money calculations</p> <p><b>Geometry:</b> 2D &amp; 3D shapes, position &amp; direction</p> <p><b>Data:</b> simple data representations, chance outcomes</p>	111-120	<p><b>Number patterns:</b> skip count forward &amp; back by 3, 5, 10, 100.</p> <p><b>Addition &amp; subtraction:</b> solve word problems, addition algorithm.</p> <p><b>Multiplication:</b> share collections into equal groups or rows, skip count to find total, use repeated addition, arrays &amp; equations.</p> <p><b>Measurement:</b> measure &amp; compare areas &amp; volumes using informal units.</p> <p><b>Time:</b> tell &amp; write quarter hour times, digital &amp; analogue &amp; words.</p> <p><b>Shapes:</b> identify the rhombus, recognise parallel lines.</p>
121	<p><b>Number:</b> 0-1000, skip count, odd &amp; even, fractions <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math></p> <p><b>Operations:</b> +/– to 1000, group &amp; share, basic multiplication</p> <p><b>Measurement:</b> measure length—m, informal units for mass, capacity, volume &amp; area, dates, time to the quarter hour, money calculations</p> <p><b>Geometry:</b> 2D &amp; 3D shapes, position &amp; direction</p> <p><b>Data:</b> simple data representations, chance outcomes</p>	121-130	<p><b>Numbers:</b> &lt;, =, &gt; compare numbers to 1000, rounding two-digit numbers.</p> <p><b>Addition:</b> use addition algorithm up to 3-digits.</p> <p><b>Subtraction:</b> use subtraction algorithm up to 2-digits – 1-digit.</p> <p><b>Multiplication:</b> solve word problems.</p> <p><b>Money:</b> make equivalent amounts of money.</p> <p><b>Measurement:</b> measure &amp; compare lengths in centimetres.</p> <p><b>Time:</b> tell &amp; write 5 minute times, calculate elapsed time.</p> <p><b>Shapes:</b> identify different views of 3D shapes, count vertices.</p>
131	<p><b>Number:</b> 0-1000, skip count, odd &amp; even, rounding, fractions <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math></p> <p><b>Operations:</b> +/– to 1000, group &amp; share, basic multiplication</p> <p><b>Measurement:</b> measure length—m &amp; cm, informal units for mass, capacity, volume &amp; area, dates, time to 5 mins, money calculations</p> <p><b>Geometry:</b> 2D &amp; 3D shapes, position &amp; direction</p> <p><b>Data:</b> simple data representations, chance outcomes</p>	131-140	<p><b>Fractions:</b> halves, quarters, eighths, thirds of shapes &amp; groups &amp; objects, fraction notation – denominators.</p> <p><b>Number patterns:</b> identify addition &amp; subtraction patterns.</p> <p><b>Subtraction:</b> use subtraction algorithm up to 3-digit numbers.</p> <p><b>Division:</b> divide a collection into groups, write division equations, jump along number lines to divide.</p> <p><b>Measurement:</b> measure mass with informal units, balance scale.</p> <p><b>Data:</b> record measurements as tallies &amp; put in a pictogram.</p> <p><b>Problem solving:</b> work backwards, make a table, 2-step problems.</p>
141	<p><b>Number:</b> 0-1000, skip count, odd &amp; even, rounding, fractions <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{8}</math>, <math>\frac{1}{5}</math></p> <p><b>Operations:</b> +/– to 1000, +/– number patterns, basic <math>\times</math> &amp; <math>\div</math>, problem solving</p> <p><b>Measurement:</b> measure length—m &amp; cm, informal units for mass, capacity, volume &amp; area, dates, time to 5 mins, money calculations</p> <p><b>Geometry:</b> 2D &amp; 3D shapes, position &amp; direction</p> <p><b>Data:</b> simple data representations, chance outcomes</p>	141-150	<p><b>Addition &amp; subtraction:</b> fluent facts to 20, +/– 3-digit numbers, mentally +/– 10 &amp; 100 to 3-digits, add up to four 2-digit numbers.</p> <p><b>Measurement:</b> measure length in metres; measure, make &amp; compare areas in square units.</p> <p><b>Shapes:</b> identify quadrilaterals, their attributes, parallel lines.</p> <p><b>Data:</b> make &amp; interpret a bar chart.</p> <p><b>Problem solving:</b> length +/– problems, money problems, 2-step problems.</p>





## Year 3 Lessons

Placement lesson	What do they know?	Next 10 lessons	What will they study next?
151	<p><b>Number:</b> 0-1000, skip counting, fractions <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{8}</math>, <math>\frac{1}{3}</math></p> <p><b>Operations:</b> <math>+/−</math> to 1000, <math>+/−</math> number patterns, basic <math>\times</math> &amp; <math>\div</math>, problem solving</p> <p><b>Measurement:</b> measure length—m &amp; cm, informal units for mass, capacity, volume &amp; area, dates, time to 5 mins, money calculations</p> <p><b>Geometry:</b> 2D &amp; 3D shapes, position &amp; direction</p> <p><b>Data:</b> simple data representations, chance outcomes</p>	151-160	<p><b>Numbers:</b> to 10 000, sequence, skip count by 10s, 100s &amp; 1000s.</p> <p><b>Fractions:</b> <math>\frac{1}{2}</math>, <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{5}</math>, <math>\frac{1}{6}</math>, <math>\frac{1}{8}</math> &amp; mixed numbers.</p> <p><b>Number patterns:</b> identify <math>+</math> &amp; <math>-</math> patterns, explore Fibonacci sequence, follow &amp; identify pattern rules.</p> <p><b>Multiplication:</b> use grouping, repeated addition &amp; multiplication equations, explore <math>2\times</math> &amp; <math>4\times</math> tables.</p> <p><b>Money:</b> make equivalent amounts, calculate change.</p> <p><b>Measurement:</b> measure capacity in litres &amp; millilitres, know that length <math>\times</math> width = area of a rectangle, use square metres.</p> <p><b>Geometry:</b> understand symmetry, identify symmetrical items.</p>
161	<p><b>Number:</b> 0-10 000, skip counting, simple fractions &amp; mixed numbers</p> <p><b>Operations:</b> <math>+/−</math> to 1000, <math>+/−</math> number patterns, basic <math>\times</math> &amp; <math>\div</math>, <math>2\times</math> &amp; <math>4\times</math> tables, problem solving</p> <p><b>Measurement:</b> measure length—m &amp; cm, capacity—L &amp; mL, area—m<sup>2</sup>, informal units for mass &amp; volume, dates, time to 5 mins, money calculations</p> <p><b>Geometry:</b> 2D &amp; 3D shapes, position &amp; direction, symmetry</p> <p><b>Data:</b> simple data representations, chance outcomes</p>	161-170	<p><b>Numbers:</b> place value to 9999, compare 4-digit numbers, odd &amp; even numbers, explore odd &amp; even number patterns.</p> <p><b>Addition &amp; subtraction:</b> <math>+/−</math> number facts as parts and wholes, equivalent number sentences, addition algorithms—regrouping.</p> <p><b>Division &amp; multiplication:</b> group &amp; share, division equations, explore <math>\times/\div</math> related facts, solve <math>\times/\div</math> word problems.</p> <p><b>Time:</b> tell &amp; write time to the minute.</p> <p><b>Shapes:</b> explore prisms &amp; pyramids.</p> <p><b>Position:</b> maps with grid coordinates &amp; compass directions.</p> <p><b>Chance:</b> predict outcomes, record results, compare.</p>
171	<p><b>Number:</b> 0-10 000, skip counting, place value, odd &amp; even, simple fractions</p> <p><b>Operations:</b> <math>+/−</math> to 1000, <math>+/−</math> number patterns, basic <math>\times</math> &amp; <math>\div</math>, <math>2\times</math> &amp; <math>4\times</math> tables, <math>+/−</math> &amp; <math>\times/\div</math> related facts, problem solving</p> <p><b>Measurement:</b> measure length—m &amp; cm, capacity—L &amp; mL, area—m<sup>2</sup>, informal units for mass &amp; volume, dates, time to the minute, money calculations</p> <p><b>Geometry:</b> 2D &amp; 3D shapes, map reading, symmetry</p> <p><b>Data:</b> data representations, chance outcomes &amp; results</p>	171-180	<p><b>Fractions:</b> fractions of collections, denominator = number of groups, recognise equivalent fractions.</p> <p><b>Addition &amp; subtraction:</b> compensation strategy, subtraction algorithms with 3-digits, introduce regrouping.</p> <p><b>Multiplication:</b> explore <math>8\times</math>, <math>3\times</math> &amp; <math>6\times</math> tables, understand associative &amp; distributive properties of multiplication.</p> <p><b>Measurement:</b> measure &amp; compare mass in grams &amp; kilograms.</p> <p><b>Time:</b> compare duration in mins &amp; hours, add mins &amp; hours.</p> <p><b>Geometry:</b> explore angles, compare their sizes.</p> <p><b>Data:</b> fill &amp; interpret frequency chart &amp; scaled pictogram.</p>
181	<p><b>Number:</b> 0-10 000, skip counting, simple fractions</p> <p><b>Operations:</b> <math>+/−</math> to 1000, <math>+/−</math> number patterns, basic <math>\times</math> &amp; <math>\div</math>, times tables, <math>+/−</math> &amp; <math>\times/\div</math> related facts, problem solving</p> <p><b>Measurement:</b> measure length—m &amp; cm, capacity—L &amp; mL, area—m<sup>2</sup>, mass—g &amp; kg, informal units for volume, dates, time to the minute, money calculations</p> <p><b>Geometry:</b> 2D &amp; 3D shapes, map reading, symmetry, angles</p> <p><b>Data:</b> data representations, scaled graphs, chance outcomes &amp; results</p>	181-190	<p><b>Fractions:</b> add simple fractions with same denominator.</p> <p><b>Multiplication &amp; division:</b> commutative property of multiplication, <math>\times/\div</math> number fact families, multiplication vertical algorithms, <math>\div</math> problems with unknown quotient.</p> <p><b>Measurement:</b> measure in metres, centimetres &amp; millimetres.</p> <p><b>Shapes:</b> categories &amp; attributes of 2D shapes.</p> <p><b>Data:</b> fill in a tally chart &amp; a scaled bar chart, interpret scaled graphs.</p> <p><b>Problem solving:</b> addition &amp; subtraction, combinations of all 4 operations, calculations in time problems.</p>
191	<p><b>Number:</b> 0-10 000, skip counting, simple fractions</p> <p><b>Operations:</b> <math>+/−</math> to 1000, <math>+/−</math> number patterns, <math>\times</math> &amp; <math>\div</math> calculations, times tables, <math>+/−</math> &amp; <math>\times/\div</math> related facts, problem solving</p> <p><b>Measurement:</b> measure length—m, cm &amp; mm, capacity—L &amp; mL, area—m<sup>2</sup>, mass—g &amp; kg, informal units for volume, dates, time to the minute, time &amp; money calculations</p> <p><b>Geometry:</b> 2D &amp; 3D shapes, map reading, symmetry, angles</p> <p><b>Data:</b> data representations, scaled graphs, chance outcomes &amp; results</p>	191-200	<p><b>Numbers:</b> rounding to the nearest hundred.</p> <p><b>Fractions:</b> whole numbers as fractions.</p> <p><b>Addition &amp; subtraction:</b> fluently add &amp; subtract within 1000.</p> <p><b>Multiplication &amp; division:</b> multiples of <math>10 \times</math> 1-digit, fluently multiply &amp; divide within 100.</p> <p><b>Measurement:</b> add side lengths to find perimeters, explore area with perimeter, calculate areas using an additive approach.</p> <p><b>Data:</b> record measurement data in whole numbers, halves &amp; quarters in a graph, interpret the data.</p> <p><b>Problem solving:</b> fraction, division &amp; area problems.</p>

If you would like to change the level that your child is working on, you can do this in the **Edit Details** section of the **Family Dashboard**.