



Grindon Infant School Year 1 Mathematics Medium Term Planning 2025-2026 - Summer 1 2026

**Fractions**

Pupils will learn to:

- recognise, find and name a half as one of two equal parts of an object, shape or quantity
- recognise, find and name a quarter as one of four equal parts of an object, shape or quantity

**Length and Height**

Pupils will learn to:

- compare, describe and solve practical problems for
- lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]
- measure and begin to record the following:
- lengths and heights

**Weight and Volume:**

Pupils will learn to:

- compare, describe and solve practical problems for
- mass/weight [for example, heavy/light, heavier than, lighter than]
- capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]
- measure and begin to record the following:
- mass/weight
- capacity and volume

Week 1	Week 2	Week 3 – 4days	Week 4	Week 5
<p><b>Pre-learning challenge</b></p> <p>Fractions</p> <ul style="list-style-type: none"> <li>• Recognise half an object or shape</li> <li>• Find half an object or shape</li> <li>• Recognise half an object or shape</li> </ul>	<ul style="list-style-type: none"> <li>• Find half an object or shape</li> <li>• Recognise a quarter an object or shape</li> <li>• Find a quarter of an object or shape</li> <li>• Recognise a quarter of an object or shape</li> </ul>	<ul style="list-style-type: none"> <li>• Find a quarter of an object or shape</li> <li>• <b>Post learning assessment Fractions</b></li> </ul> <p><b>Pause and Stretch</b></p> <ul style="list-style-type: none"> <li>• <b>Pre -learning challenge</b> Length and Height</li> </ul>	<ul style="list-style-type: none"> <li>• Measure length and heights</li> <li>• Measure length and heights and cm</li> <li>• <b>Post learning assessment</b> Length and Height</li> </ul> <p><b>Pause and Stretch</b></p>	<ul style="list-style-type: none"> <li>• <b>Pre learning assessment</b> <b>Weight and volume</b></li> <li>• Heavier and Lighter</li> <li>• Measure Mass</li> <li>• Compare Mass</li> </ul> <p>Games</p>

		<ul style="list-style-type: none"> <li>Compare length and heights</li> </ul>		
<b>Key vocabulary</b> half whole quarter quantity equal	<b>Key vocabulary</b> half whole quarter quantity equal	<b>Key vocabulary</b> length height compare centimetres measure longer taller shorter	<b>Key vocabulary</b> length height compare centimetres measure longer taller shorter	<b>Key vocabulary</b> heavier lighter mass full empty volume capacity
<b>Problem Solving</b> NRICH Wallpaer Arrange given pieces of wallpaper in size order. With support check work (look for other possibilities, repeats, missing answers and erros), Engage with mathematical activities and problems, making links and moving between different representations (concrete, pictorial, abstract).	<b>Problem Solving</b> NRICH Olympic Rings Using lolly or match sticks, create interlocking squares.  Independently choose to represent thinking using concrete, pictorial or abstract representations, as appropriate.	<b>Problem Solving</b> NRICH Cover the camel Using NRICH online, chn to wor in a pair to try to cover the camel using just two pieces of shapes.  Use trial and error improvement strategy, Begin to independently find a starting point to break into a problem.	<b>Problem Solving</b> Outdoor learning With a ruler, children to go outside and measure different objects in the yard.  With support check work (look for other possibilities, repeats, missing answers and erros),	<b>Problem Solving</b> Board games
<b>Mastering Number Week 22:</b> <ul style="list-style-type: none"> <li>identify that the numbers 11-15 are composed of '10 and a bit'</li> <li>make the numbers 11-15 using both rows of the rekenrek.</li> </ul>	<b>Mastering Number Week 23:</b> <ul style="list-style-type: none"> <li>recap that the numbers 11-15 are composed of '10 and a bit'</li> <li>compare the numbers 10-15 and identify correct expressions that use the</li> </ul>	<b>Mastering Number Week 24:</b> <ul style="list-style-type: none"> <li>subitise and describe pictures showing 2 sets of objects  read and write expressions using the + symbol.</li> </ul>	<b>Mastering Number Week 25:</b> <ul style="list-style-type: none"> <li>subitise arrangements showing '5 and a bit'</li> <li>write expressions and equations for 'first, then, now' addition stories.</li> <li>subitise arrangements in</li> </ul>	<b>Consolidation</b>

<ul style="list-style-type: none"> <li>• recap that the numbers 11-15 are composed of '10 and a bit'</li> <li>• make the numbers 11-15 using both rows of the rekenrek.</li> <li>• identify the missing part in part-part-whole diagrams when the whole is 11, 12, 13, 14 or 15</li> <li>• complete 'first, then, now' stories for the numbers 11-15.</li> <li>• recap that the numbers 11-15 are composed of '10 and a bit'</li> <li>• represent the numbers 11-15 on the rekenrek in different ways.</li> </ul>	<p>inequality symbol.</p> <ul style="list-style-type: none"> <li>• recap the vocabulary of 'before', 'after' and 'between' when describing the relative position of numbers on the number line</li> <li>• identify and describe the relative position of the numbers 11-15 on a marked number line.</li> <li>• recap that 5 sits halfway between 0 and 10 on a number line</li> <li>• reason about the position of numbers on a 0-20 number line.</li> <li>• recap the relative positions of 5 and 10 on a 0-20 number line</li> <li>• place the number 15 on a partially marked number line</li> </ul>	<ul style="list-style-type: none"> <li>• match given expressions to pictures</li> </ul> <p>write sets of expressions to represent a range of contexts.</p> <ul style="list-style-type: none"> <li>• subitise the total when given 2 sets of objects</li> </ul> <p>read and write equations using the + and = symbols.</p> <ul style="list-style-type: none"> <li>• read and write equations using the + and = symbols</li> </ul> <p>link part-part-whole diagrams to equations.</p>	<p>which one sub-group is 3</p> <ul style="list-style-type: none"> <li>• write equations for 'first, then, now' addition stories</li> <li>• link 'first, then, now' addition stories to part-part-whole diagrams and equations.</li> <li>• subitise arrangements showing '5 and a bit'</li> <li>• link 'first, then, now' addition stories to part-part-whole diagrams and equations</li> <li>• identify that the order of the addends does not change the sum.</li> <li>• subitise arrangements in which one sub-group is 3</li> <li>• link equations to part-part-whole diagrams</li> <li>• identify that the order of the addends does not change the sum.</li> </ul>	
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	<ul style="list-style-type: none"> <li>use their understanding of the relative position of numbers on a 0-20 number line to identify the lengths of given objects.</li> </ul>			
<p><b>Daily Counting</b> Count backwards in 1s, from a different starting number within 50.</p>	<p><b>Daily Counting</b> Count forwards, in multiples of two, from zero and any other multiple, up to 50.</p>	<p><b>Daily Counting</b> Count forwards, in multiples of 10, from zero or any other multiple, to 120.</p>	<p><b>Daily Counting</b> Count backwards, in multiples of 10, from 120, or any other multiple, to zero.</p>	<p><b>Daily Counting</b> Count forwards, in multiples of five, from zero, or any other multiple, up to 60.</p>