

# Year 6 bilingual summer home learning overview 2021-22

1 Summer term 1 2021-22 Chapter 14: Graphs and Averages					
<b>Lesson 1: Understanding Averages</b> To calculate the average (mean) of sets of values.	<b>Lesson 2: Calculating the Mean</b> To calculate the mean.	<b>Lesson 5: Showing Information on Graphs</b> To show information on graphs; to transfer information from a table to a pie chart.	<b>Lesson 6: Reading Pie Charts</b> To read and interpret pie charts.	<b>Lesson 7: Reading Pie Charts</b> To read and interpret pie charts; to use percentages in pie charts.	<b>Lesson 9: Reading Line Graphs</b> To read line graphs; to interpret the information in line graphs.
<b>Learn the strategy:</b> <a href="https://vimeo.com/425117781/1c09ed8f53">https://vimeo.com/425117781/1c09ed8f53</a> <b>And:</b> <a href="https://vimeo.com/425117859/697298bc90">https://vimeo.com/425117859/697298bc90</a>	<b>Learn the strategy:</b> <a href="https://vimeo.com/425479084/0251b8b5d8">https://vimeo.com/425479084/0251b8b5d8</a> <b>And:</b> <a href="https://classroom.thenational.academy/lessons/interpret-mean-as-an-average-60f32d?step=1&amp;activity=video">https://classroom.thenational.academy/lessons/interpret-mean-as-an-average-60f32d?step=1&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/tables-and-line-graphs-6xgk0f?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/tables-and-line-graphs-6xgk0f?step=2&amp;activity=video</a> <b>And:</b> <a href="https://classroom.thenational.academy/lessons/interpret-pie-charts-ccr6ad?step=1&amp;activity=video">https://classroom.thenational.academy/lessons/interpret-pie-charts-ccr6ad?step=1&amp;activity=video</a>	<b>Learn the strategy:</b> <b>Reminder from yesterday:</b> <a href="https://classroom.thenational.academy/lessons/interpret-pie-charts-ccr6ad?step=1&amp;activity=video">https://classroom.thenational.academy/lessons/interpret-pie-charts-ccr6ad?step=1&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/comparing-pie-charts-c5hpc?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/comparing-pie-charts-c5hpc?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/interpret-line-graphs-chk38d?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/interpret-line-graphs-chk38d?step=2&amp;activity=video</a>
2 Ch14: Graphs& Averages		Chapter 15: Roman Numerals		Consolidation	
<b>Lesson 10: Reading Line Graphs</b> To read & interpret line graphs; to answer questions about the graph information.	<b>Recap Roman Numerals: Investigating Roman Numerals up to 100</b> In this lesson, we will be identifying the way to write the corresponding Roman numerals for values between 1 and 100.	<b>Lesson 1: Writing Roman Numerals to &amp; in thousands</b> To write Roman numerals to 1000.	<b>Lesson 2: Writing Roman Numerals to &amp; in thousands</b> To write numbers in their thousands in Roman numerals.	<b>Revisit addition strategies</b>	<b>Revisit subtraction strategies</b>
<b>Learn the strategy: (up to 13 minutes and 18 seconds)</b> <a href="https://classroom.thenational.academy/lessons/construct-line-graphs-74vk0d?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/construct-line-graphs-74vk0d?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/investigating-roman-numerals-up-to-100-6guk8c">https://classroom.thenational.academy/lessons/investigating-roman-numerals-up-to-100-6guk8c</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/investigating-roman-numerals-up-to-1000-61k32r?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/investigating-roman-numerals-up-to-1000-61k32r?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/solving-problems-involving-roman-numerals-6gt36d?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/solving-problems-involving-roman-numerals-6gt36d?step=2&amp;activity=video</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/strategies-for-addition-6njk4d">https://classroom.thenational.academy/lessons/strategies-for-addition-6njk4d</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/strategies-for-subtraction-6mv32d">https://classroom.thenational.academy/lessons/strategies-for-subtraction-6mv32d</a>
3 Consolidation					
<b>Revisit multiplication and division</b> (including multi-step word problems and measures)	<b>Revisit formal methods using measures word problems (incl. converting measures)</b>	<b>Revisit order of operations</b>	<b>Revisit order of operations</b>	<b>Revisit number: Balancing equations to find unknown values</b> To balance equations to find unknown values. To use the image of a see-saw to think about equivalent calculations, level = equal (equivalent) to each other.	<b>Revisit finding an unknown addend</b> To find an unknown addend when the sum is changed.
<b>Complete the online lesson</b> <a href="https://classroom.thenational.academy/lessons/solve-problems-involving-division-with-remainders-part-1-6hjp6t">https://classroom.thenational.academy/lessons/solve-problems-involving-division-with-remainders-part-1-6hjp6t</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/decimals-and-measures-solving-problems-including-the-conversion-of-standard-units-of-measure-6nhp8e">https://classroom.thenational.academy/lessons/decimals-and-measures-solving-problems-including-the-conversion-of-standard-units-of-measure-6nhp8e</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/order-of-operations-ctk3et">https://classroom.thenational.academy/lessons/order-of-operations-ctk3et</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/consolidating-order-of-operations-68t34d">https://classroom.thenational.academy/lessons/consolidating-order-of-operations-68t34d</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/balancing-equations-to-find-unknown-values-6nk3qe">https://classroom.thenational.academy/lessons/balancing-equations-to-find-unknown-values-6nk3qe</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/find-an-unknown-addend-70vkae">https://classroom.thenational.academy/lessons/find-an-unknown-addend-70vkae</a>
Half term					

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<b>4 Consolidation</b>					
<b>Revisit understanding other powers of ten within one-million</b> To begin to understand the magnitude of one million.	<b>Revisit estimating and rounding contexts</b> Developing number sense and applying the skills of rounding and estimating linked to everyday situations.	<b>Revisit rounding to a required degree of accuracy</b> To explore rounding 7-digit numbers to the nearest multiple of 100,000 with varying degrees of accuracy.	<b>Revisit formal division methods with remainders</b>	<b>Revisit dividing with remainders in different contexts (part 1)</b>	<b>Revisit dividing with remainders in different contexts (part 2)</b>
<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/understanding-other-powers-of-ten-within-one-million-6dh64r">https://classroom.thenational.academy/lessons/understanding-other-powers-of-ten-within-one-million-6dh64r</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/estimating-and-rounding-contexts-6gw34d">https://classroom.thenational.academy/lessons/estimating-and-rounding-contexts-6gw34d</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/rounding-to-a-required-degree-of-accuracy-6wu32t">https://classroom.thenational.academy/lessons/rounding-to-a-required-degree-of-accuracy-6wu32t</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/solving-problems-involving-division-with-remainders-part-2-6muk4d">https://classroom.thenational.academy/lessons/solving-problems-involving-division-with-remainders-part-2-6muk4d</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/represent-remainders-in-different-ways-depending-on-the-context-of-the-problem-part-1-chj3et">https://classroom.thenational.academy/lessons/represent-remainders-in-different-ways-depending-on-the-context-of-the-problem-part-1-chj3et</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/represent-remainders-in-different-ways-depending-on-the-context-of-the-problem-part-2-ccu32d">https://classroom.thenational.academy/lessons/represent-remainders-in-different-ways-depending-on-the-context-of-the-problem-part-2-ccu32d</a>
<b>5 Consolidation</b>					
<b>Revisit 'common factor' and 'common multiple' as properties of a number</b> Exploring factors and multiples of numbers, including identifying common factors and multiples.	<b>Revisit scaling: Solve problems involving scale factor in shapes</b> In today's lesson, we will solve problems involving scale factor.	<b>Revisit scaling: Solve problems involving the relative size of two quantities (Part 1)</b> In this lesson, we will solve problems involving the relative size of two quantities.	<b>Revisit scaling: Solve problems involving the relative size of two quantities (Part 2)</b> In this lesson, we will solve problems involving the relative size of two quantities, where multi-step scaling is necessary.	<b>Revisit ratio: Use ratio to express relationships</b> In today's lesson, we will use ratio to express relationships.	<b>Revisit problem solving using ratio and scaling</b>
<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/understand-the-terms-common-factor-and-common-multiple-as-properties-of-a-number-ck668c">https://classroom.thenational.academy/lessons/understand-the-terms-common-factor-and-common-multiple-as-properties-of-a-number-ck668c</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/solve-problems-involving-scale-factor-in-shapes-c4u3ar">https://classroom.thenational.academy/lessons/solve-problems-involving-scale-factor-in-shapes-c4u3ar</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/solve-problems-involving-the-relative-size-of-two-quantities-part-1-68r6ac">https://classroom.thenational.academy/lessons/solve-problems-involving-the-relative-size-of-two-quantities-part-1-68r6ac</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/solve-problems-involving-the-relative-size-of-two-quantities-part-2-61k68d">https://classroom.thenational.academy/lessons/solve-problems-involving-the-relative-size-of-two-quantities-part-2-61k68d</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/use-ratio-to-express-relationships-70tpad">https://classroom.thenational.academy/lessons/use-ratio-to-express-relationships-70tpad</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/ratio-problems-c5hk4r">https://classroom.thenational.academy/lessons/ratio-problems-c5hk4r</a>
<b>6 Consolidation</b>					
<b>Revisit addition and subtraction of fractions</b>	<b>Revisit fractions: Multiply and divide with improper fractions</b> In today's lesson, we will learn strategies for multiplying and dividing with mixed numbers and improper fractions.	<b>Revisit fractions: Solve fraction problems with the four operations</b> In today's lesson, we will revise calculating with fractions using the four operations and then apply this to word problems.	<b>Revisit fractions: Fractions problem solving</b> To solve fraction problems relating to shape, including calculating the perimeter and finding missing lengths.	<b>Embed fractions</b>	<b>Revisit unit fractions of amounts (reinforcing 'of' means multiply)</b>
<b>Complete the online lessons:</b> <a href="https://classroom.thenational.academy/lessons/add-fractions-cnk3ar">https://classroom.thenational.academy/lessons/add-fractions-cnk3ar</a>  <b>Then:</b> <a href="https://classroom.thenational.academy/lessons/subtract-fractions-6hh66r">https://classroom.thenational.academy/lessons/subtract-fractions-6hh66r</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/fractions-multiply-and-divide-with-improper-fractions-74tk8c">https://classroom.thenational.academy/lessons/fractions-multiply-and-divide-with-improper-fractions-74tk8c</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/fractions-solve-fraction-problems-with-the-four-operations-cgrk0d">https://classroom.thenational.academy/lessons/fractions-solve-fraction-problems-with-the-four-operations-cgrk0d</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/fractions-problem-solving-c9k38d">https://classroom.thenational.academy/lessons/fractions-problem-solving-c9k38d</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/fractions-multiply-and-divide-with-improper-fractions-74tk8c">https://classroom.thenational.academy/lessons/fractions-multiply-and-divide-with-improper-fractions-74tk8c</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/to-find-unit-fractions-of-a-given-quantity-61k34t">https://classroom.thenational.academy/lessons/to-find-unit-fractions-of-a-given-quantity-61k34t</a>

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7 Consolidation					
Revisit non-unit fractions of amounts:	Revisit fractions of amounts	Revisit percentages of amounts	Revisit problem solving with percentages:	Revisit fractions, decimals and percentage problems	
<p><b>Complete the online lesson:</b>  <a href="https://classroom.thenational.academy/lessons/finding-non-unit-fractions-of-quantities-c5jp4d">https://classroom.thenational.academy/lessons/finding-non-unit-fractions-of-quantities-c5jp4d</a></p>	<p><b>Complete the online lessons:</b>  <a href="https://classroom.thenational.academy/lessons/fractions-of-quantities-1-6wuk6r">https://classroom.thenational.academy/lessons/fractions-of-quantities-1-6wuk6r</a></p> <p><b>Then:</b>  <a href="https://classroom.thenational.academy/lessons/fractions-of-quantities-part-2-cmf36t">https://classroom.thenational.academy/lessons/fractions-of-quantities-part-2-cmf36t</a></p>	<p><b>Complete the online lessons:</b>  <a href="https://classroom.thenational.academy/lessons/finding-percent-of-a-quantity-6xh36d">https://classroom.thenational.academy/lessons/finding-percent-of-a-quantity-6xh36d</a></p> <p><b>Then:</b>  <a href="https://classroom.thenational.academy/lessons/solve-problems-involving-the-calculation-of-percentages-of-amounts-c5gkqe">https://classroom.thenational.academy/lessons/solve-problems-involving-the-calculation-of-percentages-of-amounts-c5gkqe</a></p>	<p><b>Learn the strategy:</b>  <b>Complete the online lesson</b>  <a href="https://classroom.thenational.academy/lessons/solve-problems-involving-the-use-of-percentages-for-comparison-6mtk6t">https://classroom.thenational.academy/lessons/solve-problems-involving-the-use-of-percentages-for-comparison-6mtk6t</a></p>	<p><b>Learn the strategy:</b>  <b>Complete the online lesson</b>  <a href="https://classroom.thenational.academy/lessons/recall-and-use-equivalences-between-fractions-decimals-and-percentages-6dh6cc">https://classroom.thenational.academy/lessons/recall-and-use-equivalences-between-fractions-decimals-and-percentages-6dh6cc</a></p>	
Summer holidays					