



# Year 5 bilingual summer home learning overview 2021-22

<b>1 Summer term 1 2021-22 Chapter 9: Geometry</b>			<b>Chapter 10: Position and Movement</b>		
<b>Lesson 4: Investigating Angles on a Line</b> To measure angles using a protractor. To identify two angles which add up to 180° on a straight line.	<b>Lesson 5: Investigating Angles at a Point</b> To investigate angles that, when combined, make 360°.	<b>Lesson 6: Drawing Angles</b> To draw angles using a protractor.	<b>Lesson 1: Naming and Plotting Points</b> To name and plot points.	<b>Lesson 2: Describing Translations</b> To describe the position of a shape following a translation.	<b>Lesson 3: Describing Movements</b> To describe movements and reflecting shapes.
<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/calculating-angles-on-a-line-or-around-a-point-69h66f?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/calculating-angles-on-a-line-or-around-a-point-69h66f?step=2&amp;activity=video</a>		<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/draw-angles-with-a-protractor-1-60rp4e?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/draw-angles-with-a-protractor-1-60rp4e?step=2&amp;activity=video</a> <b>Then:</b> <a href="https://classroom.thenational.academy/lessons/draw-angles-with-a-protractor-part-2-65hk4e?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/draw-angles-with-a-protractor-part-2-65hk4e?step=2&amp;activity=video</a>		<b>Learn the strategy:</b> <a href="https://vimeo.com/409775304/bea2fc5a78">https://vimeo.com/409775304/bea2fc5a78</a>	
			<b>Learn the strategy:</b> <a href="https://vimeo.com/409775671/bc5ed1f76f">https://vimeo.com/409775671/bc5ed1f76f</a>		
			<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/identifying-describing-and-representing-the-position-of-a-shape-following-a-reflection-68rpar?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/identifying-describing-and-representing-the-position-of-a-shape-following-a-reflection-68rpar?step=2&amp;activity=video</a>		
<b>2Ch10:Position&amp;Movement</b>		<b>Chapter 11: Measurements</b>		<b>Chapter 12: Area and Perimeter</b>	
<b>Lesson 4: Describing Movements</b> To describe the movement of a 2-D shape when reflected.	<b>Lesson 9:Converting Units of Time</b> To convert units of time.	<b>Lesson 11: Converting Units of Time</b> To convert units of time.	<b>Lesson 14: Telling the Temperature</b> To read the temperature on a thermometer.	<b>Lesson 1: Finding the Perimeter</b> To find the perimeter of shapes.	<b>Lesson 2: Finding the Perimeter</b> To find shapes with a specific perimeter.
<b>Learn the strategy:</b> <a href="https://vimeo.com/409776110/1a2ab0e810">https://vimeo.com/409776110/1a2ab0e810</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/converting-between-units-of-time-6gvkj?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/converting-between-units-of-time-6gvkj?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://vimeo.com/416889362/5c331079f1">https://vimeo.com/416889362/5c331079f1</a>	<b>Learn the strategy:</b> <a href="https://vimeo.com/416884550/7a340e2ab0">https://vimeo.com/416884550/7a340e2ab0</a>	<b>Learn the strategy:</b> <a href="https://vimeo.com/424323521/4e2f5d9af8">https://vimeo.com/424323521/4e2f5d9af8</a>	<b>Learn the strategy:</b> <a href="https://vimeo.com/424323590/6d7fd67ca6">https://vimeo.com/424323590/6d7fd67ca6</a>
<b>3 Chapter 12: Area and Perimeter</b>			<b>Chapter 13: Volume</b>		
<b>Lesson 3: Finding the Perimeter</b> To find the perimeter of different shapes	<b>Lesson 4: Using Scale Diagrams to Find Perimeter</b> To use scale diagrams to find perimeter of a shape.	<b>Lesson 1: Understanding the Volume of Solids</b> To understand the volume of solids.	<b>Lesson 3: Finding the Volume of Solids</b> To find the volume of solids.	<b>Lesson 4: Finding the Capacity of Rectangular Boxes</b> To find the capacity of a cuboid.	<b>Lesson 6:Converting Units of Volume</b> To compare and convert units of volume.
<b>Learn the strategy:</b> <a href="https://vimeo.com/424323521/4e2f5d9af8">https://vimeo.com/424323521/4e2f5d9af8</a> <b>And:</b> <a href="https://vimeo.com/424323552/59d70f4f01">https://vimeo.com/424323552/59d70f4f01</a>	<b>Learn the strategy:</b> <a href="https://vimeo.com/424323590/6d7fd67ca6">https://vimeo.com/424323590/6d7fd67ca6</a>	<b>Learn the strategy:</b> <a href="https://vimeo.com/427271112/69062a1937">https://vimeo.com/427271112/69062a1937</a> <b>And:</b> <a href="https://classroom.thenational.academy/lessons/to-investigate-and-explain-cubed-numbers-6hh38r?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/to-investigate-and-explain-cubed-numbers-6hh38r?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://vimeo.com/427276443/4b13f4c7bb">https://vimeo.com/427276443/4b13f4c7bb</a> <b>And:</b> <a href="https://classroom.thenational.academy/lessons/to-describe-volume-in-cubic-units-6hhkj?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/to-describe-volume-in-cubic-units-6hhkj?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://vimeo.com/427276443/4b13f4c7bb">https://vimeo.com/427276443/4b13f4c7bb</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/to-convert-units-of-volume-c9h3cr?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/to-convert-units-of-volume-c9h3cr?step=2&amp;activity=video</a>
<b>Additional learning:</b> <a href="https://classroom.thenational.academy/lessons/calculate-and-measure-perimeter-crv36r?step=1&amp;activity=video">https://classroom.thenational.academy/lessons/calculate-and-measure-perimeter-crv36r?step=1&amp;activity=video</a>					
<b>Half term</b>					

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4 Chapter 13: Volume		Consolidation			
<b>Lesson 7: Converting Units of Volume</b> To convert units of volume (metric and imperial).	<b>Lesson 8: Converting Units of Volume</b> To convert units of volume (metric and imperial).	<b>Revisit multiples and factors</b> Today we will re-familiarise ourselves with the concepts of multiples and factors.	<b>Revisit formal calculation (word problems and decimal amounts): Problem-solving with decimals in context</b> To solve problems with decimals through bar models in a real life contexts, converting units of measure where appropriate.	<b>Revisit problem solving using all four operations</b> To solve a multi-step problem using all four operations; addition, subtraction, multiplication and division.	<b>Revisit calculating non-unit fractions of quantities</b> To solve word problems; to find non-unit fractions of quantities.
<b>Learn the strategy:</b> <a href="https://vimeo.com/429234583/998a9eb08f">https://vimeo.com/429234583/998a9eb08f</a>		<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/multiples-and-factors-6gr32d">https://classroom.thenational.academy/lessons/multiples-and-factors-6gr32d</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/problem-solving-with-decimals-in-context-60u3gd">https://classroom.thenational.academy/lessons/problem-solving-with-decimals-in-context-60u3gd</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/problem-solving-using-all-four-operations-69k32d">https://classroom.thenational.academy/lessons/problem-solving-using-all-four-operations-69k32d</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/calculating-non-unit-fractions-of-quantities-cmp4e">https://classroom.thenational.academy/lessons/calculating-non-unit-fractions-of-quantities-cmp4e</a>
5 Chapter 14: Roman Numerals					
<b>Lesson 1: Writing Roman Numerals to 1000</b> To write Roman numerals to 1000.	<b>Lesson 2: Writing Years in Roman Numerals</b> To write numbers in their thousands in Roman numerals.	<b>Revisit rounding 6-digit numbers to the nearest 1000, 10 000 and 100 000</b> To use number lines to round 6-digit numbers to the nearest multiple of 1000, 10 000 and 100 000.	<b>Revisit formal calculation Problem-solving with multiplication:</b> In this lesson we will review the various methods of multiplication covered throughout this unit: area, formal written method and mentally derived facts.	<b>Solving problems involving division with remainders (Part 1)</b> To investigate and model division problems, and interpret remainders.	<b>Solving problems involving division with remainders (Part 2)</b> To investigate and model division problems to allow opportunities to practise interpreting remainders.
<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>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/rounding-6-digit-numbers-to-the-nearest-1000-10-000-and-100-000-65gked">https://classroom.thenational.academy/lessons/rounding-6-digit-numbers-to-the-nearest-1000-10-000-and-100-000-65gked</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/problem-solving-with-multiplication-6mwpat">https://classroom.thenational.academy/lessons/problem-solving-with-multiplication-6mwpat</a>	<b>Complete the online:</b> <a href="https://classroom.thenational.academy/lessons/solving-problems-involving-division-with-remainders-part-1-cqt68c">https://classroom.thenational.academy/lessons/solving-problems-involving-division-with-remainders-part-1-cqt68c</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>
6 Consolidation					
<b>Revisit finding the Highest Common Factor to Simplify</b> To simplify a fraction when the numerator is not the highest common factor.	<b>Revisit simplifying fractions using the highest common factor</b>	<b>Revisit fractions: Add and subtract fractions with a common denominator: Improper fractions</b> To learn how to add and subtract improper fractions and mixed number fractions with a common denominator.	<b>Revisit fractions: Add and subtract fractions fluency</b> In this lesson we will learn how to count fluently in fractions and fluently add and subtract a range of fractions.	<b>Revisit simplifying fractions:</b> To further practice and application of simplifying fractions.	<b>Revisit improper fractions (part 1)</b>
<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/finding-the-highest-common-factor-to-simplify-crwkcd">https://classroom.thenational.academy/lessons/finding-the-highest-common-factor-to-simplify-crwkcd</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/simplifying-fractions-using-highest-common-factor-71hk2c">https://classroom.thenational.academy/lessons/simplifying-fractions-using-highest-common-factor-71hk2c</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/add-and-subtract-fractions-with-a-common-denominator-improper-fractions-6cw62d">https://classroom.thenational.academy/lessons/add-and-subtract-fractions-with-a-common-denominator-improper-fractions-6cw62d</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/add-and-subtract-fractions-fluency-75j3jc">https://classroom.thenational.academy/lessons/add-and-subtract-fractions-fluency-75j3jc</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/further-practice-and-application-c5hkr">https://classroom.thenational.academy/lessons/further-practice-and-application-c5hkr</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/improper-fractions-part-1-c4tkac">https://classroom.thenational.academy/lessons/improper-fractions-part-1-c4tkac</a>

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7 Consolidation					
<b>Revisit improper fractions (part 2)</b>	<b>Revisit equivalent fractions</b> Further practice using examples to deepen and consolidate learning.	<b>Revisit angle fluency facts</b> To revise all the topics from this unit and focus how to apply all these skills fluently and efficiently.	<b>Revisit geometry: Calculate the area of rectilinear shapes</b> To calculate the area of rectilinear shapes by splitting them into two or more rectangles	<b>Consolidation and Review</b> To review our understanding of multiples and factors; multiplying and dividing by 10, 100, 1000; mental strategies for efficient mental calculation and consolidating formal methods of multiplication and division	
<b>Complete the online lesson:</b> <a href="https://classroom.thenationalacademy/lessons/improper-fractions-part-2-64upad">https://classroom.thenationalacademy/lessons/improper-fractions-part-2-64upad</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenationalacademy/lessons/further-practice-with-equivalent-fractions-6rt66t">https://classroom.thenationalacademy/lessons/further-practice-with-equivalent-fractions-6rt66t</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenationalacademy/lessons/revision-and-angle-fluency-facts-6nhk6d">https://classroom.thenationalacademy/lessons/revision-and-angle-fluency-facts-6nhk6d</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenationalacademy/lessons/calculate-the-area-of-rectilinear-shapes-6mr3ar">https://classroom.thenationalacademy/lessons/calculate-the-area-of-rectilinear-shapes-6mr3ar</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenationalacademy/lessons/consolidation-and-review-ccr62t">https://classroom.thenationalacademy/lessons/consolidation-and-review-ccr62t</a>	
<b>Summer holidays</b>					