

# Year 6 spring home learning overview 2020-21

<b>1 Spring term 2020-21</b>					
<b>Chapter 4: Decimals</b>					
<b>INSET day</b>	<b>Recap multiplying decimals or complete Lesson 8: Multiplying Decimals</b> To multiply decimals by whole numbers (Use L9 as deepening)	<b>Lesson 10: Dividing Decimals</b> To divide decimals using number bonds and number discs as the key strategies. (Method 2)	<b>Lesson 11: Dividing Decimals</b> To divide decimals using bar models, number bonds and long division as key strategies,	<b>Lesson 12: Multiplying a Decimal by a 2-Digit Whole Number</b> To multiply decimals by a 2-digit whole number	<b>Lesson 13: Dividing a Decimal by a 2-Digit Whole Number</b> To divide decimals by 2-digit numbers using number bonds and the worded method.
	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/use-formal-written-methods-for-short-multiplication-including-multiplying-decimals-6rnp2r?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/use-formal-written-methods-for-short-multiplication-including-multiplying-decimals-6rnp2r?step=2&amp;activity=video</a>  <a href="https://classroom.thenational.academy/lessons/multiplying-decimals-by-a-whole-number-6xjkr?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/multiplying-decimals-by-a-whole-number-6xjkr?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/multiplying-decimals-by-a-whole-number-6xjkr?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/multiplying-decimals-by-a-whole-number-6xjkr?step=2&amp;activity=video</a>  <a href="https://classroom.thenational.academy/lessons/division-of-a-decimal-number-by-an-integer-c8t30e?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/division-of-a-decimal-number-by-an-integer-c8t30e?step=2&amp;activity=video</a>	<b>Learn the strategy: (from 19 minutes)</b> <a href="https://classroom.thenational.academy/lessons/multiply-by-a-two-digit-number-using-long-multiplication-75k3cc?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/multiply-by-a-two-digit-number-using-long-multiplication-75k3cc?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/use-the-formal-written-method-of-long-division-to-solve-appropriate-calculations-c8wk0c?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/use-the-formal-written-method-of-long-division-to-solve-appropriate-calculations-c8wk0c?step=2&amp;activity=video</a>  <a href="https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-arithmetic-operations/cc-6th-dividing-decimals/v/dividing-a-decimal-by-a-whole-number">https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-arithmetic-operations/cc-6th-dividing-decimals/v/dividing-a-decimal-by-a-whole-number</a>	
<b>2 Chapter 4: Decimals</b>			<b>Chapter 5: Measurements</b>		
<b>Lesson 14: Dividing a Decimal by a 2-Digit Whole Number</b> To divide decimals by 2-digit whole numbers	<b>Addition and subtraction strategies and links</b>	<b>Recap year 5 measurement: Bk 5B, Chapter 11: Lesson 3: Converting Units of Length</b> To convert units of length.	<b>Recap year 5 measurement: Bk 5B, Chapter 11: Lesson 7: Converting Units of Mass</b> To convert units of mass.	<b>Lesson 1: Converting Units of Length</b> To convert common measurements to metres, centimetres and millimetres.	<b>Lesson 2: Converting Units of Length</b> To convert units of measure into different units using decimals and fractions
<b>Learn the strategy:</b> <b>Use the long division strategy:</b> <a href="https://classroom.thenational.academy/lessons/use-the-formal-written-method-of-long-division-to-solve-appropriate-calculations-c8wk0c?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/use-the-formal-written-method-of-long-division-to-solve-appropriate-calculations-c8wk0c?step=2&amp;activity=video</a>  <a href="https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-arithmetic-operations/cc-6th-dividing-decimals/v/dividing-a-decimal-by-a-whole-number">https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-arithmetic-operations/cc-6th-dividing-decimals/v/dividing-a-decimal-by-a-whole-number</a>	<b>Complete the online lesson:</b> <b>Addition:</b> <a href="https://classroom.thenational.academy/lessons/strategies-for-addition-6nj4d">https://classroom.thenational.academy/lessons/strategies-for-addition-6nj4d</a> <b>Subtraction:</b> <a href="https://classroom.thenational.academy/lessons/strategies-for-subtraction-6mv32d">https://classroom.thenational.academy/lessons/strategies-for-subtraction-6mv32d</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/converting-lengths-part-1-cgr3jd?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/converting-lengths-part-1-cgr3jd?step=2&amp;activity=video</a>  <a href="https://classroom.thenational.academy/lessons/converting-lengths-part-2-64ukar?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/converting-lengths-part-2-64ukar?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/converting-between-units-of-metric-mass-6ww38d?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/converting-between-units-of-metric-mass-6ww38d?step=2&amp;activity=video</a>	<b>Learn the strategy: (up to 23 minutes and 18 seconds)</b> <a href="https://classroom.thenational.academy/lessons/decimals-and-measures-convert-standard-lengths-60tkad?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/decimals-and-measures-convert-standard-lengths-60tkad?step=2&amp;activity=video</a>	
<b>3 Chapter 5: Measurements</b>					
<b>Lesson 3: Converting Units of Length</b> To convert metres into kilometres as units of measure.	<b>Lesson 4: Converting Units of Mass</b> To convert units of mass from grams to kilograms using decimals and fractions.	<b>Lesson 5: Converting Units of Volume</b> To convert units of volume from millilitres to litres.	<b>Converting units of time</b>	<b>Recap year 5 measurement: Bk 5B, Chapter 11: Lesson 14: Telling the Temperature</b> (incl. negative)	<b>Recap rounding</b>
<b>Learn the strategy:(from 23 minutes and 19 seconds)</b> <a href="https://classroom.thenational.academy/lessons/decimals-and-measures-convert-standard-lengths-60tkad?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/decimals-and-measures-convert-standard-lengths-60tkad?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/decimals-and-measures-convert-between-standard-measures-6cupac?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/decimals-and-measures-convert-between-standard-measures-6cupac?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/converting-measurements-cdj62t?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/converting-measurements-cdj62t?step=2&amp;activity=video</a>	<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/decimals-and-measures-convert-between-units-of-time-c4r66c?step=1&amp;activity=video">https://classroom.thenational.academy/lessons/decimals-and-measures-convert-between-units-of-time-c4r66c?step=1&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/negative-numbers-in-context-68t66c?step=1&amp;activity=video">https://classroom.thenational.academy/lessons/negative-numbers-in-context-68t66c?step=1&amp;activity=video</a>  <a href="https://classroom.thenational.academy/lessons/further-addition-6rwk2t?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/further-addition-6rwk2t?step=2&amp;activity=video</a>	<b>Recap addition and subtraction in context</b> <b>Complete the online lessons:</b> <b>Rounding:</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>Addition and subtraction:</b> <a href="https://classroom.thenational.academy/lessons/applying-addition-and-subtraction-74tp2d">https://classroom.thenational.academy/lessons/applying-addition-and-subtraction-74tp2d</a>

# Year 6 spring home learning overview 2020-21

<b>4</b>		<b>Chapter 7: Percentage</b>			
<b>MNP Year 6 mid-year revision 6A assessment</b>	<b>MNP Year 6 mid-year revision 6A assessment</b>	<b>Order of operations</b>	<b>Recap year 5 percentages: Bk 5B, Chapter 8, Lesson 2: Finding Percentages</b> To be able to convert values of an amount into %. To be able to convert fractions into percentages.	<b>Lesson 1: Finding the Percentage of a Number</b> To find the % of a whole number using division and multiplication; to use bar modelling as a pictorial approach to calculating %.	<b>Lesson 2: Finding the Percentage of a Quantity</b> To find the % of a quantity; to use bar model diagrams to support the division and multiplication of numbers towards the percentage.
Complete workbook 6A mid-year revision section A and part of section B. Questions 1 - 25	Complete workbook 6A mid-year revision remainder of section B and section C. Questions 26 - 45	<b>Learn the strategy:</b> <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>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/understanding-percentage-6qvpad?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/understanding-percentage-6qvpad?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/finding-percent-of-a-quantity-6xh36d?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/finding-percent-of-a-quantity-6xh36d?step=2&amp;activity=video</a>	<b>Learn the strategy:(up to 5 minutes and 34 seconds)</b> <a href="https://classroom.thenational.academy/lessons/percentages-of-amount-part-2-c9j66c?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/percentages-of-amount-part-2-c9j66c?step=2&amp;activity=video</a> <b>Method 3: (up to 4 minutes and 49 seconds)</b> <a href="https://classroom.thenational.academy/lessons/percentages-of-amount-6nj68r?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/percentages-of-amount-6nj68r?step=2&amp;activity=video</a>
<b>5 Chapter 7: Percentage</b>		<b>Chapter 8: Ratio</b>			
<b>Lesson 3: Finding Percentage Change</b> To find % change in an amount over time; to calculate % change where the number gives rise to a decimal.	<b>Problem solving with percentages:</b>	<b>Fractions, decimals and equivalence problems</b>	<b>Lesson 2: Comparing Quantities</b> To find ratio of a quantity; to simplify ratios using division; compare more than two quantities using the term 'ratio'; to use bar models.	<b>Lesson 3: Comparing Quantities</b> To find ratio of a quantity; to simplify ratios using division; compare more than two quantities using the term 'ratio'; to use bar models.	<b>Lesson 4: Comparing Quantities</b> To compare quantity using both fractions and ratios; to use bar model diagrams to represent ratios.
<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/solve-problems-involving-the-calculation-of-percentages-of-amounts-c5gkge">https://classroom.thenational.academy/lessons/solve-problems-involving-the-calculation-of-percentages-of-amounts-c5gkge</a> <b>(up to 2 minutes and 8 seconds)</b> <a href="https://classroom.thenational.academy/lessons/increase-by-a-percentage-69h68c?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/increase-by-a-percentage-69h68c?step=2&amp;activity=video</a>	<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-6mfk6t">https://classroom.thenational.academy/lessons/solve-problems-involving-the-use-of-percentages-for-comparison-6mfk6t</a>	<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>	<b>Learn the strategy:</b> <a href="https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-ratios-intro/v/ratios-intro">https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-ratios-intro/v/ratios-intro</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/use-ratio-to-express-relationships-70tpad?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/use-ratio-to-express-relationships-70tpad?step=2&amp;activity=video</a>	
<b>6 Chapter 8: Ratio</b>		<b>Chapter 9: Algebra</b>		<b>Revisit</b>	<b>Catch up time</b>
<b>Lesson 6: Comparing Numbers</b> To compare numbers using ratios; to make decisions about simplifying ratios using division	<b>Problem solving using ratio and scaling</b>	<b>Lesson 2: Describing a Pattern</b> To generate and describe number patterns. (Could also do worksheets 3)	<b>Lesson 5: Writing Algebraic Expressions</b> To express algebraically a missing number. (Could also do worksheets L4)	<b>Revisit as needed: Multiplication and division</b> (including multi-step word problems and measures)	
<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/solve-problems-involving-the-relative-size-of-two-quantities-part-1-68r6ac?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/solve-problems-involving-the-relative-size-of-two-quantities-part-1-68r6ac?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <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>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/consolidating-linear-sequences-and-representing-problems-with-algebra-71j3gr?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/consolidating-linear-sequences-and-representing-problems-with-algebra-71j3gr?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/reasoning-and-problem-solving-6mwkct?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/reasoning-and-problem-solving-6mwkct?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <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>Half term break</b>					

# Year 6 spring home learning overview 2020-21

Spring 2 2020-21					
<b>7 Chapter 9: Algebra</b>		<b>Recap year 5</b>		<b>Chapter 10: Area &amp; perimeter</b>	
<b>Lesson 10: Solving Equations</b> To solve equations; to use equations to find unknown values.		<b>Recap year 5 area and perimeter:</b> <b>Bk 5B, Chapter 12, Lesson 1: Finding the Perimeter</b> To find the perimeter of shapes.		<b>Lesson 1: Finding the Area and the Perimeter of Rectangles</b> To find area & perimeter of rectangles; calculate perimeter using known area and vice versa.	
<b>Recap year 5 area and perimeter:</b> <b>Bk 5B, Chapter 12, Lesson 6: Measuring the Area</b> To measure the area of squares.		<b>Lesson 7: Measuring the Area</b> To measure the area of a shape. (Measuring area of compound shapes)		<b>Lesson 2: Finding the Area of Parallelograms</b> To find and calculate the area of a parallelogram; to use materials and prior understanding of area to construct a formula for the area.	
<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/expressing-missing-numbers-algebraically-cwppcc?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/expressing-missing-numbers-algebraically-cwppcc?step=2&amp;activity=video</a>		<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/calculate-the-perimeter-of-simple-compound-shapes-c9gp8r?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/calculate-the-perimeter-of-simple-compound-shapes-c9gp8r?step=2&amp;activity=video</a>		<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/investigate-the-relationship-between-area-and-perimeter-and-use-this-knowledge-to-solve-problems-cct3cc?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/investigate-the-relationship-between-area-and-perimeter-and-use-this-knowledge-to-solve-problems-cct3cc?step=2&amp;activity=video</a>	
<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/rectilinear-shapes-6wr34r?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/rectilinear-shapes-6wr34r?step=2&amp;activity=video</a>		<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/area-of-parallelograms-6wup2e?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/area-of-parallelograms-6wup2e?step=2&amp;activity=video</a>			
<b>8 Chapter 10: Area and Perimeter</b>			<b>Recap</b>		
<b>Lesson 3: Finding the Area of Triangles</b> To use prior knowledge of area to solve the area of a triangle; to use formula for the area of a rectangle to solve problems involving triangles.		<b>Lesson 4: Finding the Area of Triangles</b> To calculate the area of a triangle using a formula; to calculate the area of a triangle in multiple ways.		<b>Recap Year 5 volume:</b> <b>Bk 5B, Chapter 13, Lesson 3: Finding the Volume of Solids</b> To find the volume of solids.	
<b>Lesson 1 and 2: Finding the Volume of Cubes and Cuboids</b> To find the volume of cubes and cuboids using materials. To determine formula for volume of cubes & cuboids & apply it to calculate volume.		<b>Lesson 4: Finding the Volume of Cubes and Cuboids</b> To calculate the volume of boxes using the formula for volume of a cube; to expose common misconceptions in volume.		<b>Recap Year 5 volume:</b> <b>Bk 5B, Chapter 13, Lesson 6: Converting Units of Volume</b> To compare and convert units of volume.	
<b>Learn the strategy: (up to 6 minutes and 45 seconds)</b> <a href="https://classroom.thenational.academy/lessons/area-of-triangles-6cwkar?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/area-of-triangles-6cwkar?step=2&amp;activity=video</a>		<b>Learn the strategy: (up to 3 minutes)</b> <a href="https://classroom.thenational.academy/lessons/further-triangles-68u6ae?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/further-triangles-68u6ae?step=2&amp;activity=video</a>		<b>Learn the strategy: (up to 4 minutes and 8 seconds)</b> <a href="https://classroom.thenational.academy/lessons/problem-solving-with-decimals-in-context-60u3gd?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/problem-solving-with-decimals-in-context-60u3gd?step=2&amp;activity=video</a>	
<b>Learn the strategy:</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://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://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>9 'Holistic maths skills' days – explaining to others</b>			<b>Recap lesson</b>		
<b>Recap volume of cubes and cuboids, including decimal amounts</b>		<b>Recap Year 5 geometry:</b> <b>Bk 5B, Chapter 9, Lesson 1: Knowing Types of Angles</b> To know angle name & qualities: acute, right, obtuse, reflex.		<b>Recap Year 5 geometry:</b> <b>Bk 5B, Chapter 9, Lesson 2: Measuring Angles</b> To measure angles using a protractor.	
<b>Lesson 1: Investigating Vertically Opposite Angles</b> To investigate opposite angles; to use prior knowledge of angles to solve problems.		<b>Lesson 1: Investigating Vertically Opposite Angles</b> To investigate opposite angles; to use prior knowledge of angles to solve problems.		<b>Lesson 1: Investigating Vertically Opposite Angles</b> To investigate opposite angles; to use prior knowledge of angles to solve problems.	
<b>Learn the strategy:</b> <a href="https://vimeo.com/412752887/402efb9f17">https://vimeo.com/412752887/402efb9f17</a>		<b>Learn the strategy:</b> <a href="https://vimeo.com/412752887/402efb9f17">https://vimeo.com/412752887/402efb9f17</a>		<b>Learn the strategy:</b> <a href="https://vimeo.com/412752887/402efb9f17">https://vimeo.com/412752887/402efb9f17</a>	
<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/decimals-and-measures-the-volume-of-cubes-and-cuboids-cdh3cr">https://classroom.thenational.academy/lessons/decimals-and-measures-the-volume-of-cubes-and-cuboids-cdh3cr</a>		<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/compare-and-order-acute-obtuse-and-reflex-angles-6dhk6d?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/compare-and-order-acute-obtuse-and-reflex-angles-6dhk6d?step=2&amp;activity=video</a>		<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/reading-angles-on-a-protractor-part-1-6mt3qt?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/reading-angles-on-a-protractor-part-1-6mt3qt?step=2&amp;activity=video</a>	
<b>Then:</b> <a href="https://classroom.thenational.academy/lessons/reading-angles-on-a-protractor-part-2-6mt30d?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/reading-angles-on-a-protractor-part-2-6mt30d?step=2&amp;activity=video</a>					
Create a poster to show another child in year 3 how to complete these calculations: $79 \times 68$ and $18934 \div 16$ Remember the strategies: <b>Multiplication:</b> <a href="#">Multiplication strategy</a> <b>And:</b> <a href="#">Multiplication strategy 2</a> <b>Division:</b> <a href="https://classroom.thenational.academy/lessons/use-the-formal-written-method-of-long-division-to-solve-appropriate-calculations-c8wk0c?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/use-the-formal-written-method-of-long-division-to-solve-appropriate-calculations-c8wk0c?step=2&amp;activity=video</a> On your poster show your thinking in different ways. You could include using the part-whole model or represent the number with counters or by listing multiples or using different colours to show the place value of different digits. Be creative! Explain the methods on your poster to a family member or carer. Talk about all the different ways you have shown to solve the calculations and explain where another child may go wrong when using these methods.		<b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/decimals-and-measures-the-volume-of-cubes-and-cuboids-cdh3cr">https://classroom.thenational.academy/lessons/decimals-and-measures-the-volume-of-cubes-and-cuboids-cdh3cr</a>		<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/compare-and-order-acute-obtuse-and-reflex-angles-6dhk6d?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/compare-and-order-acute-obtuse-and-reflex-angles-6dhk6d?step=2&amp;activity=video</a>	
<b>Then:</b> <a href="https://classroom.thenational.academy/lessons/reading-angles-on-a-protractor-part-2-6mt30d?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/reading-angles-on-a-protractor-part-2-6mt30d?step=2&amp;activity=video</a>					

# Year 6 spring home learning overview 2020-21

<b>10 Chapter 12: Geometry</b>					
<b>Lesson 3: Investigating Angles in Triangles</b> To determine and show the sum of the angles inside a triangle.	<b>Lesson 4: Investigating Angles in Quadrilaterals</b> To investigate and determine angles in quadrilaterals.	<b>Recap Year 5 geometry: Bk 5B, Chapter 9, Lesson 5: Investigating Angles at a Point</b> To investigate angles that, when combined, make 360°.	<b>Lesson 6: Naming Parts of a Circle</b> To name the parts of a circle; to calculate diameter and radius using parts of a circle.	<b>Lesson 7: Solving Problems Involving Angles in a Circle</b> To solve problems involving angles in a circle.	<b>Lesson 8: Drawing Quadrilaterals</b> To draw quadrilaterals with specific side lengths & parallel lines; to find perimeter of shapes and name trapeziums and parallelograms.
<b>Learn the strategy:</b> <a href="https://vimeo.com/412302557/9fc6a6e402">https://vimeo.com/412302557/9fc6a6e402</a> <b>And:</b> <a href="https://classroom.thenational.academy/lessons/find-unknown-angles-in-triangles-6tgkcd?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/find-unknown-angles-in-triangles-6tgkcd?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://vimeo.com/412302740/51f3e58179">https://vimeo.com/412302740/51f3e58179</a> <b>And:</b> <a href="https://classroom.thenational.academy/lessons/find-the-value-of-missing-angles-in-quadrilaterals-cd9k0r?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/find-the-value-of-missing-angles-in-quadrilaterals-cd9k0r?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/calculating-angles-on-a-line-or-ground-a-point-69h66f?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/calculating-angles-on-a-line-or-ground-a-point-69h66f?step=2&amp;activity=video</a> <b>Or:</b> <a href="https://classroom.thenational.academy/lessons/find-the-value-of-missing-angles-6cr3je?step=1&amp;activity=video">https://classroom.thenational.academy/lessons/find-the-value-of-missing-angles-6cr3je?step=1&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://vimeo.com/412316220/595434faac">https://vimeo.com/412316220/595434faac</a> <b>And:</b> <a href="https://classroom.thenational.academy/lessons/coordinates-and-shapes-to-illustrate-and-name-parts-of-a-circle-69hkec?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/coordinates-and-shapes-to-illustrate-and-name-parts-of-a-circle-69hkec?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/coordinates-and-shapes-to-solve-practical-problems-involving-circles-68u36d?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/coordinates-and-shapes-to-solve-practical-problems-involving-circles-68u36d?step=2&amp;activity=video</a>	<b>Learn the strategy: (from 8 minutes and 23 seconds to 13 minutes and 3 seconds)</b> <a href="https://classroom.thenational.academy/lessons/quadrilateral-problems-68t6cc?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/quadrilateral-problems-68t6cc?step=2&amp;activity=video</a> <b>And: (up to 15 minutes and 40 seconds)</b> <a href="https://classroom.thenational.academy/lessons/to-compare-and-classify-quadrilaterals-6rv62f?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/to-compare-and-classify-quadrilaterals-6rv62f?step=2&amp;activity=video</a>
<b>11 Chapter 12:</b>			<b>Chapter 13: Position and Movement</b>		
<b>Lesson 9: Drawing Triangles</b> To draw triangles using measurements and angles as starting point; protractor to draw angles.	<b>Lesson 10: Drawing Triangles</b> To draw triangles using measurements and angles as starting point; protractor to draw angles.	<b>Lesson 11: Drawing Nets of Three-Dimensional Shapes</b> To construct the nets of 3-D shapes by identify the faces in them.	<b>Lesson 12: Drawing Nets of Three-Dimensional Shapes</b> To construct the nets of 3-D shapes by identify the faces in them.	<b>Lesson 1: Showing Negative Numbers</b> To represent negative numbers on both vertical and horizontal number lines.	<b>Lesson 2: Describing Position</b> To describe positions of objects on a coordinate grid; to use x & y axes to determine position on a grid.
<b>Learn the strategy:</b> <b>Recap drawing angles using a protractor:</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>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/solve-problems-involving-scale-factor-in-shapes-c4u3ar?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/solve-problems-involving-scale-factor-in-shapes-c4u3ar?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://classroom.thenational.academy/lessons/coordinates-and-shapes-to-recognise-nets-of-3d-shapes-crvk2r?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/coordinates-and-shapes-to-recognise-nets-of-3d-shapes-crvk2r?step=2&amp;activity=video</a>	<b>Learn the strategy: (as previous lesson)</b> <a href="https://classroom.thenational.academy/lessons/coordinates-and-shapes-to-recognise-nets-of-3d-shapes-crvk2r?step=2&amp;activity=video">https://classroom.thenational.academy/lessons/coordinates-and-shapes-to-recognise-nets-of-3d-shapes-crvk2r?step=2&amp;activity=video</a>	<b>Learn the strategy:</b> <a href="https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-negative-number-topic/cc-6th-neg-num-intro/v/negative-numbers-introduction">https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-negative-number-topic/cc-6th-neg-num-intro/v/negative-numbers-introduction</a> <b>Or:</b> <a href="https://classroom.thenational.academy/lessons/negative-numbers-in-context-68t66c">https://classroom.thenational.academy/lessons/negative-numbers-in-context-68t66c</a>	<b>Learn the strategy:</b> <a href="https://vimeo.com/429428268/e97257c390">https://vimeo.com/429428268/e97257c390</a>
<b>12 Recap lessons to revise and consolidate</b>					
<b>Recap multiplication</b> <b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/use-formal-written-methods-including-long-multiplication-to-solve-a-range-of-problems-61j38r">https://classroom.thenational.academy/lessons/use-formal-written-methods-including-long-multiplication-to-solve-a-range-of-problems-61j38r</a>	<b>Recap division</b> <b>Complete the online lesson:</b> <a href="https://classroom.thenational.academy/lessons/use-the-formal-written-method-of-long-division-to-solve-appropriate-calculations-c8wk0c">https://classroom.thenational.academy/lessons/use-the-formal-written-method-of-long-division-to-solve-appropriate-calculations-c8wk0c</a>	<b>Recap problem solving</b> <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>Easter Break</b>		