

Year 3 summer home learning overview 2020-21

1 Summer term 1 2020-21					
INSET day	Recap and review week Making links between multiplication and division knowledge	Recap time	Recap money and graphs	Recap mass	Recap volume
	Learn the strategy: Complete the online lesson: https://classroom.thenational.academy/lessons/consolidating-multiplication-and-division-knowledge-part-2-cdhk0t	Learn the strategy: Complete the review of Chapter 9: Time Use the strategies we have learnt in this chapter. Go back to watch the videos if you are not sure.	Learn the strategy: Complete the review of Chapter 8: Money and Chapter 10: Graphs Use the strategies we have learnt in this chapter. Go back to watch the videos if you are not sure.	Learn the strategy: Complete the review of Chapter 6: Mass Use the strategies we have learnt in this chapter. Go back to watch the videos if you are not sure.	Learn the strategy: Complete the review of Chapter 7: Volume Use the strategies we have learnt in this chapter. Go back to watch the videos if you are not sure.
2 Recap year 2: Fractions					
Chapter 13: Lesson 7: Comparing and Ordering Fractions To compare and order similar fractions by looking at the size of the pieces shaded.	Chapter 13: Lesson 8: Comparing and Ordering Fractions To compare and order fractions with different denominators.	Chapter 13: Lesson 9: Counting Wholes and Parts To count the number of wholes and parts to form mixed numbers.	Combined lesson: Year 2, Chapter 13: Lesson 10: Counting in Halves To count in halves and place halves on a number line using pictures.	Chapter 13: Lesson 11 :Counting in Quarters To count in quarters and place quarters on a number line using pictures.	Year 2, Chapter 13: Lesson 12: Counting in Thirds To count in thirds and place thirds on a number line using pictures.
Learn the strategy: https://vimeo.com/418005790/2ffc1ab6d	Learn the strategy: https://vimeo.com/418825931/1aa8a5597e Fraction wall: https://mathsbot.com/manipulatives/fractionWall	Learn the strategy: (up to 5 minutes and 22 seconds only) https://classroom.thenational.academy/lessons/building-wholes-74vpcd?step=1&activity=video	Learn the strategy: https://vimeo.com/418827203/bc48184e62	Learn the strategy: https://vimeo.com/418414616/a7ccb5eadf	Learn the strategy: https://vimeo.com/420267548/7f9e227e31
3 Recap year 2 Chapter 13: Fractions					
May bank holiday	Year 2, Chapter 13: Lesson 13: Finding Part of a Set To find fractions (half) of whole numbers.	Year 2, Chapter 13: Lesson 14: Finding Part of a Set To find a fraction (third) of a whole number.	Year 2, Chapter 13: Lesson 15: Finding Part of a Set To find a fraction (quarter) of a number.	Year 2, Chapter 13: Lesson 16: Finding Part of a Quantity To find a fraction (half, third, quarter) of a quantity (length).	Recap division using partitioning
	Learn the strategy: https://vimeo.com/420269459/7a8937fecc	Learn the strategy: https://vimeo.com/421472143/c24c37dc47	Learn the strategy: https://vimeo.com/421499646/babb77c141	Learn the strategy: https://vimeo.com/418202137/f0d9cf8b7b?lite=1	Learn the strategy: Complete the online lesson: https://classroom.thenational.academy/lessons/dividing-by-a-one-digit-number-no-regrouping-c5jkar

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4 Chapter 11: Fractions					
Lesson 1: Counting in Tenths To count in tenths; to recognise tenths and be able to determine how many tenths are shaded.	Lesson 2: Making Number Pairs To make number pairs to create 1; to combine fractions to make 1.	Combined lesson: Lesson 3: Adding Fractions To add fractions with the same denominator	Lesson 5: Subtracting Fractions To subtract fractions with the same name.	Lesson 6: Finding Equivalent Fractions To find equivalent fractions through paper folding and shading.	Lesson 7: Finding Equivalent Fractions To find equivalent fractions using paper folding and shading.
Learn the strategy: https://vimeo.com/412245221/90c9d59c28	Learn the strategy: https://vimeo.com/412341663/844c400f2e	Learn the strategy: https://vimeo.com/414683843/03a266864b And: https://vimeo.com/412710096/93cb56f6f9	Learn the strategy: https://vimeo.com/413036415/c5a4e1daa8	Learn the strategy: https://vimeo.com/414722907/0595d87f96	Learn the strategy: https://classroom.thenational.academy/lessons/fractions-recognising-equivalent-fractions-2-ccr38c?step=2&activity=video
5 Chapter 11: Fractions					
Lesson 8: Finding Equivalent Fractions To find equivalent fractions; to place fractions on a number line.	Lesson 9: Finding Equivalent Fractions To find fractions equivalent to $\frac{1}{2}$; use pictorial representations and multiplication to show equivalence.	Lesson 10: Finding Equivalent Fractions To find equivalent fractions using concrete objects and pictorial representations.	Lesson 12: Finding the Simplest Fraction To find the simplest fraction using visualisation and concrete materials.	Lesson 13: Finding the Simplest Fraction To find the simplest fraction using pictorial representations and division.	Lesson 14: Finding Equivalent Fractions To find equivalent fractions using multiplication and division; to determine whether or not a fraction is equivalent.
Learn the strategy: https://vimeo.com/415101199/90a01e78bb	Learn the strategy: https://vimeo.com/415104079/76c4efc622	Learn the strategy: https://vimeo.com/417189609/27188c0061	Learn the strategy: https://vimeo.com/417571675/8b956b3cbe	Learn the strategy: https://vimeo.com/417202640/0ca55b328	Learn the strategy: https://vimeo.com/417234426/0e869afb9
6 Chapter 11: Fractions					
Lesson 15: Comparing Fractions To compare the fractions $\frac{1}{2}$ and $\frac{1}{4}$ using pictorial representations and concrete materials.	Lesson 16: Comparing Fractions To compare fractions using pictorial representations; to understand the numerical nature of the numerator.	Lesson 18: Adding Fractions To add fractions using pictorial representations; to simplify fractions after adding them.	Recap of converting units of length	Recap of graphs	Recap of addition and subtraction problems
Learn the strategy: https://vimeo.com/418053312/1280e10df4	Learn the strategy: https://classroom.thenational.academy/lessons/comparing-fractions-with-the-same-denominator-c4vkar?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/fractions-adding-fractions-with-the-same-denominator-c9k3jc?step=2&activity=video	Learn the strategy: Complete the online lesson: https://classroom.thenational.academy/lessons/length-and-measurement-application-ccr68e	Learn the strategy: Complete the online lesson: https://classroom.thenational.academy/lessons/collecting-and-presenting-data-using-tallies-tables-and-graphs-6wup6r	Learn the strategy: Complete the online lesson: https://classroom.thenational.academy/lessons/solving-word-problems-with-unknown-values-cgtpcd
Half term					

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Summer 2 2020-21					
1 Chapter 11: Fractions					
Lesson 21: Finding Part of a Set To determine a fraction of a whole number using pictorial representations.	Lesson 22: Finding Part of a Set To find a fraction of a whole number using pictorial representations, multiplication and concrete objects.	Lesson 23: Finding the Fraction of a Number To consolidate finding the fraction of a whole number.	Lesson 24: Sharing One To divide 1 between more than 1; to share 1 whole equally between more than 1.	Lesson 25: Sharing More Than 1 To share more than 1 using pictorial representations and division.	Lesson 26: Sharing More Than 1 To share more than 1; to recognise whole & parts in pictures & number lines.
Learn the strategy: First: https://vimeo.com/419965750/22fe324141 Then: https://vimeo.com/419968659/fc30253f01 Finally: https://vimeo.com/419974092/e35be4bbb5	Learn the strategy: https://vimeo.com/419958568/e1003a04ea	Learn the strategy: https://classroom.thenational.academy/lessons/to-find-unit-fractions-of-a-given-quantity-61k34f?step=2&activity=video	Learn the strategy: https://vimeo.com/420273555/3e1d294e77	Learn the strategy: https://vimeo.com/424772177/117473b18c	Learn the strategy: https://vimeo.com/424811874/91e2168891
2 Ch.11: Fractions		Chapter 12: Angles			
Lesson 27: Sharing More Than 1 To show more than 1 whole after sharing a number of items equally; to use pictorial representations to share whole items equally.	Combined lesson: Lesson 1: Making Angles To learn what makes an angle and identify angles. Lesson 2: Making Angles To see angles inside & outside objects; to find angles in letters.	Lesson 3: Finding Angles in Shapes To find angles in shapes; to determine the relationship between the number of angles in a shape and the number of sides.	Lesson 4: Finding Right Angles To find right angles in everyday objects; to understand what makes a right angle.	Combined lesson: Lesson 5: Comparing Angles To compare angles using terms 'right' angle & 'acute' angle; to identify acute as smaller than right angles. Lesson 6: Comparing Angles To identify right and acute angles; to recognise & define an obtuse angle.	Lesson 7: Making Turns To make turns using angles vocabulary; to align the language of angles and fractions to describe turns.
Learn the strategy: Use the video from yesterday as a reminder: https://vimeo.com/424811874/91e2168891	Learn the strategy: https://classroom.thenational.academy/lessons/to-identify-and-recognise-angles-cgu6cc?step=1&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/to-identify-angles-inside-2d-shapes-71h38d?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/to-recognise-right-angles-6ww34d?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/to-recognise-obtuse-and-acute-angles-cwk6c?step=2&activity=video And: https://vimeo.com/427048508/9d1e2f502c	Learn the strategy: https://vimeo.com/427306848/1b57c28bbd Recap angles: https://classroom.thenational.academy/lessons/to-revise-angles-chikar?step=2&activity=video

3 Consolidation					
<p>Revisit multiplication: Multiply 2-digit numbers by 6 using the partitioning method</p> <p>In this lesson, we are going to build on our knowledge of the 6 times table and use partitioning to multiply larger numbers accurately.</p>	<p>Revisit multiplication: Multiply 2-digit numbers by 8 using the partitioning method</p> <p>In this lesson, we are going to build on our knowledge of the 8 times table and use partitioning to multiply larger numbers accurately.</p>	<p>Revisit fractions of amounts: Finding non-unit fractions of quantities</p> <p>In this lesson, we will revisit what a non-unit fraction is. We will then use a 'bar modelling' strategy to help us calculate non-unit fractions of amounts.</p>	<p>Revisit fractions of amounts: Consolidating finding non-unit fractions of quantities</p> <p>In this lesson, we will use our knowledge of fractions to consolidate finding non-unit fractions of a given quantity</p>	<p>Revisit fractions: Adding fractions with the same denominator</p> <p>In this lesson, we will be using your knowledge of addition to add fractions with the same denominator. We will use lots of different pictures of fractions, as well as the part/whole model to help us.</p>	<p>Revisit fractions: Subtracting fractions with the same denominator</p> <p>In this lesson, we will be using your knowledge of subtraction to take-away fractions with the same denominator. We will use lots of different pictures of fractions, as well as the part/whole model to help us.</p>
<p>Complete the online lesson: https://classroom.thenational.academy/lessons/multiply-2-digit-numbers-by-6-using-the-partitioning-method-cvkar</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/multiply-2-digit-numbers-by-8-using-the-partitioning-method-6nj3at</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/finding-non-unit-fractions-of-quantities-c5jp4d</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/consolidating-finding-non-unit-fractions-of-quantities-6rwk8t</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/fractions-adding-fractions-with-the-same-denominator-c9k3jc</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/fractions-subtracting-fractions-with-the-same-denominator-c9jker</p>
4 Consolidation				Chapter 13: Lines and Shapes	
<p>Revisit fractions: To revise learning on fractions</p> <p>In this lesson, we will be revising fractions. Looking at fractions as equal parts of a whole, how these can be represented in different ways, as well as unit and non-unit fractions, adding and subtracting fractions with the same denominator and equivalent fractions.</p>	<p>Revisit word problems: Solving problems using measures</p> <p>In this lesson we will be planning a trip to the beach to celebrate all our fantastic work. We will be using all our knowledge about measuring mass and capacity and using bar models to help us find solutions.</p>	<p>Revisit angles: To revise angles</p> <p>In this lesson, we will be revisiting our angles learning from this week. We will revise what is meant by right, acute and obtuse angles. We will then have an opportunity to identify these angles and draw them.</p>	<p>Recap properties of shape: Identifying 2-D shapes on the surfaces of 3D shapes</p> <p>In this lesson, you will be identifying 2-D shapes on the surfaces of 3D shapes</p>	<p>Lesson 1: Identifying Perpendicular Lines</p> <p>To identify, define and create perpendicular lines; to find perpendicular lines in everyday objects.</p>	<p>Lesson 2: Identifying Parallel Lines</p> <p>To identify, define and create parallel lines; to find parallel lines in everyday objects.</p>
<p>Complete the online lesson: https://classroom.thenational.academy/lessons/fractions-revising-fractions-6wtkac</p>	<p>Complete the online: https://classroom.thenational.academy/lessons/solving-problems-using-measures-69j32t</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/to-revise-angles-chjkr</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/identifying-2-d-shapes-on-the-surfaces-of-3d-shapes-70wk8c</p>	<p>Learn the strategy: https://classroom.thenational.academy/lessons/to-identify-perpendicular-lines-cquk0r?step=2&activity=video</p>	<p>Learn the strategy: https://classroom.thenational.academy/lessons/to-identify-and-explain-parallel-lines-cdh3ct?step=2&activity=video</p>

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5 Chapter 13: Lines and Shapes			Chapter 14: Perimeter		
<p>Lesson 3: Finding Vertical and Horizontal Lines To define and identify vertical and horizontal lines; to find vertical and horizontal lines in everyday life.</p>	<p>Lesson 5: Drawing Two-Dimensional Shapes To draw 2-D shapes in proportion to their size; to identify how big a shape is</p>	<p>Combined lesson: Lesson 6: Making Three-Dimensional Shapes To create 3-D shapes from nets; to use vocabulary related to 3-D shapes and their properties. Lesson 7: Making Three-Dimensional Shapes To construct 3-D shapes out of clay and discuss their properties. INCLUDE: naming 3D shapes and their properties.</p>	<p>Combined lesson: Lesson 1: Measuring Total Length Around a Shape To determine the perimeter of basic shapes; to use grid paper to measure the perimeter. Lesson 2: Measuring Perimeter To measure perimeter using 1 cm grid paper.</p>	<p>Lesson 3: Measuring Perimeter To determine the perimeter of different shapes; to create shapes with a specific perimeter.</p>	<p>Revisit number: Deriving New Facts From Number Bonds (Part 2) Today we are going to be deriving new facts from number bonds</p>
<p>Learn the strategy: https://vimeo.com/427380500/a3e88af5c6</p>	<p>Learn the strategy: https://classroom.thenational.academy/lessons/to-draw-2-d-shapes-based-on-their-properties-6xgk2c?step=2&activity=video</p>	<p>Learn the strategy: https://classroom.thenational.academy/lessons/to-describe-the-properties-of-3d-shapes-cdjkgd?step=2&activity=video</p>	<p>Learn the strategy: https://vimeo.com/428408495/940b91162d</p>	<p>Learn the strategy: https://vimeo.com/428424124/06af5902fa</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/deriving-new-facts-from-number-bonds-part-2-64t66d</p>
6 Consolidation					
<p>Revisit addition and subtraction word problems: Solving addition and subtraction word problems This lesson will consolidate learning on column addition and subtraction by moving onto applying this knowledge to word problems.</p>	<p>Revisit addition and subtraction word problems: Solving word problems with unknown values In this lesson we will be answering addition and subtraction word problems which require us to identify the unknown quantity.</p>	<p>Revisit fractions: Recognising fractions as different representations In this lesson we will explore different ways of representing fractions including as part of a whole, as a number, as a result of division and as part of a set.</p>	<p>Revisit fractions: Compare and order unit fractions In this lesson, we will explore the size of different unit fractions. We will compare and order these fractions, focusing on their denominators before we apply this knowledge to compare unit fractions of the same quantity.</p>	<p>Revisit equivalent fractions: Recognising equivalent fractions (Part 2) In this lesson, we will continue to explore fractions with different denominators and numerators that are equal to each other, focusing on thirds and sixths.</p>	<p>Revisit fractions: Fractions: To revise learning on fractions In this lesson, we will be revising fractions.</p>
<p>Complete the online lesson: https://classroom.thenational.academy/lessons/solving-addition-and-subtraction-word-problems-6mw3ct</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/solving-word-problems-with-unknown-values-cgtpcd</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/reognising-fractions-as-different-representations-64w3ed</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/compare-and-order-unit-fractions-68u34e</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/fractions-recoanising-equivalent-fractions-2-ccr38c</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/fractions-revising-fractions-6wtkac</p>

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7 Consolidation					
<p>Revisit mental strategies: Using commutativity and associativity to multiply In this lesson you will use known facts and the laws of commutativity and associativity to multiply.</p>	<p>Revisit measures (word problems): Solving problems using measures In this lesson we will be planning a trip to the beach to celebrate all our fantastic work. We will be using all our knowledge about measuring mass and capacity and using bar models to help us find solutions.</p>	<p>Revisit graphs: Reading and interpreting bar graphs In this lesson, we will build on knowledge of data to accurately read and understand a range of bar charts.</p>	<p>Revisit measures (time): Applying knowledge of time to solve problems In this lesson you will solve time related problems by applying your understanding of time.</p>	<p>Revisit measures (perimeter): Calculating the perimeters of shapes in m and cm Today we are going to be looking at different 2D shapes and calculate their perimeters in mixed units</p>	<p>Revisit number: Rounding 2 and 3 digit numbers to the nearest 100 Today we are going to be rounding 3 digit numbers to the nearest 100 using number lines.</p>
<p>Complete the online lesson: https://classroom.thenational.academy/lessons/using-commutativity-and-associativity-to-multiply-71j38c</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/solving-problems-using-measures-69j32t</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/reading-and-interpreting-bar-graphs-chhk6c</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/applying-knowledge-of-time-to-solve-problems-ccuk4r</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/calculating-the-perimeters-of-shapes-in-m-and-cm-6nqjit</p>	<p>Complete the online lesson: https://classroom.thenational.academy/lessons/rounding-2-and-3-digit-numbers-to-the-nearest-100-ctapar</p>