

Year 4 summer home learning overview 2020-21

1 Summer term 1 2020-21					
INSET day	Recap and review				
	Recap short division	Recap multiplication and division word problems	Recap year 3 fractions (over 2 days)	Recap year 3 fractions (over 2 days)	Recap year 4 fractions
	Learn the strategy: Complete the online lesson: https://classroom.thenational.academy/lessons/short-division-69t64d	Learn the strategy: Complete the review of Chapter 4 (Book 4A): Further multiplication and division 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 year 3 fractions Chapter 11 (Book 3B): Fractions 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 (Book 4A): Fractions Use the strategies we have learnt in this chapter. Go back to watch the videos if you are not sure.
2 Recap and review		Chapter 8: Decimals			
Recap time	Recap graphs	Recap decimals: Recognising tenths	Recap decimals: Recognising tenths	Recap decimals: Comparing decimals	Lesson 13: Rounding Decimals To round decimal numbers.
Learn the strategy: Complete the review of Chapter 7 (Book 4A): 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 5 (Book 4A): 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 online lesson https://classroom.thenational.academy/lessons/recognising-decimal-tenths-part-1-ctgkcd	Learn the strategy: Complete the online lesson https://classroom.thenational.academy/lessons/recognising-decimal-tenths-part-2-64upac	Learn the strategy: Complete the online lesson https://classroom.thenational.academy/lessons/comparing-decimals-61j38d	Learn the strategy: https://classroom.thenational.academy/lessons/rounding-decimals-part-1-crvk6c?step=2&activity=video
3 Chapter 8: Decimals					
May Day bank holiday	Lesson 14: Rounding Decimals To round decimal numbers.	Lesson 15: Writing Fractions as Decimals To write fractions as decimal numbers. (focus 0.25, 0.5, 0.75)	Lesson 16: Dividing Whole Numbers by 10 To divide whole numbers by 10.	Lesson 17: Dividing Whole Numbers by 100 To divide whole numbers by 100.	Recap ordering decimals
	Learn the strategy: https://classroom.thenational.academy/lessons/rounding-decimals-part-2-64f38f?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/recognising-common-decimal-equivalents-6dqk6c?step=2&activity=video	Learn the strategy: https://vimeo.com/412644912/dcf2a7174 Or: https://classroom.thenational.academy/lessons/multiplying-and-dividing-by-10-part-1-74rk6t?step=2&activity=video And: https://classroom.thenational.academy/lessons/multiplying-and-dividing-by-10-part-2-70v30r?step=2&activity=video	Learn the strategy: https://vimeo.com/412654995/ddb213f47d And: https://vimeo.com/414700794/6adca95229 Or: https://classroom.thenational.academy/lessons/multiplying-and-dividing-by-100-part-1-68vk6c?step=2&activity=video And: https://classroom.thenational.academy/lessons/multiplying-and-dividing-by-100-part-2-6nqkcc?step=2&activity=video	Learn the strategy: Complete the online lesson: https://classroom.thenational.academy/lessons/ordering-decimals-6gt66r

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4 Chapter 9: Money					
Lesson 1: Writing Amounts of Money To record amounts of money.	Lesson 2: Writing Amounts of Money To record amounts of money.	Lesson 3: Comparing Amounts of Money To compare total amounts of money.	Lesson 4: Rounding Amounts of Money To round to the nearest pound (whole number).	Lesson 5: Solving Problems Involving Money To solve money problems (addition and subtraction).	Lesson 6: Solving Problems Involving Money To solve money problems (multiplication).
Learn the strategy: https://vimeo.com/414685288/22ff27cf83		Learn the strategy: https://classroom.thenational.aca/demy/lessons/comparing-decimals-61j38d?step=2&activity=video		Learn the strategy: https://classroom.thenational.aca/demy/lessons/rounding-decimals-part-1-70r6af?step=2&activity=video And: https://classroom.thenational.aca/demy/lessons/rounding-decimals-part-2-74rkqc?step=2&activity=video	
Learn the strategy: https://classroom.thenational.aca/demy/lessons/adding-decimals-70t62r?step=2&activity=video https://classroom.thenational.aca/demy/lessons/subtracting-decimals-69jpat?step=2&activity=video		Learn the strategy: https://vimeo.com/user12106273/review/417089140/29e6f4beec			
5 Chapter 10: Mass, Volume and Length					
Combined lesson: Lesson 1: Measuring Mass To measure mass. Lesson 2: Measuring Mass To measure mass.	Lesson 3: Converting Units of Mass To convert units of mass.	Combined lesson: Lesson 4: Measuring Volume To measure volume. Lesson 5: Measuring Volume To measure volume.	Lesson 6: Converting Units of Volume To convert units of volume.	Lesson 8: Measuring Length To measure length.	Lesson 9: Converting Units of Length To convert units of length.
Learn the strategy: https://vimeo.com/user12106273/review/419847933/07c3a7181d		Learn the strategy: First a reminder: https://classroom.thenational.aca/demy/lessons/converting-measurements-cdj62f?step=2&activity=video Then: https://classroom.thenational.aca/demy/lessons/converting-between-units-of-metric-mass-6ww38d?step=2&activity=video		Learn the strategy: Reminder: https://classroom.thenational.aca/demy/lessons/converting-measurements-cdj62f?step=2&activity=video Then: https://classroom.thenational.aca/demy/lessons/volume-to-read-scales-when-measuring-volume-6ru68d?step=1&activity=video	
Learn the strategy: https://vimeo.com/425518080/f03d0149f3		Learn the strategy: https://vimeo.com/425518080/f03d0149f3		Learn the strategy: https://classroom.thenational.aca/demy/lessons/converting-lengths-part-1-cgr3jd?step=2&activity=video	
Learn the strategy: https://vimeo.com/425121590/7337f300ca And: https://classroom.thenational.aca/demy/lessons/converting-lengths-part-2-64ukar?step=2&activity=video					
6 Chapter 10: Mass, Volume and Length					
Lesson 10: Converting Units of Length To convert units of length.	Recap year 3. Chapter 14: Perimeter Lessons 1 & 2	Lesson 11: Measuring Perimeter in Different Units To measure perimeter in centimetres and millimetres.	Recap: Short division with remainders	Recap: Comparing fractions	Recap: Comparing fractions
Learn the strategy: https://vimeo.com/425121615/42e218ede4		Learn the strategy: https://vimeo.com/428408495/940b91162d And: https://vimeo.com/428424124/06af5902fa		Learn the strategy: https://vimeo.com/user12106273/review/425839735/ecf1cbf985 Or: https://classroom.thenational.aca/demy/lessons/calculating-the-perimeters-of-shapes-in-m-and-cm-6ngkjt?step=2&activity=video	
Learn the strategy: https://classroom.thenational.aca/demy/lessons/division-with-remainders-ccwk6r		Learn the strategy: Complete the online lesson: https://classroom.thenational.aca/demy/lessons/division-with-remainders-ccwk6r		Learn the strategy: Complete the online lesson: https://classroom.thenational.aca/demy/lessons/compare-unit-fractions-using-a-fraction-wall-6gr30d	
Learn the strategy: https://classroom.thenational.aca/demy/lessons/what-do-you-notice-when-comparing-two-unit-fractions-using-an-area-model-6qwked And: https://classroom.thenational.aca/demy/lessons/use-several-methods-to-compare-two-fractions-with-the-same-denominator-74v3ec					
Half term					

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1 Summer term 2 2020-21					
1 Chapter 11: Area of Figures					
Lesson 1: Measuring the Surface that an Object Covers To find area (by measuring surface coverage).	Lesson 2: Measuring Area To measure area.	Lesson 3: Measuring Area To measure area (counting squares).	Lesson 4: Measuring Area To measure area (counting squares and half squares).	Revisit problem solving with the four operations	Revisit converting measures
Learn the strategy: https://vimeo.com/user12106273/review/425844398/1408660396		Learn the strategy: https://vimeo.com/user12106273/review/425859169/c53c1cc90e And: https://classroom.thenational.academy/lessons/understand-that-area-is-a-measure-of-surface-and-is-measured-in-square-units-part-1-cckw2c?step=1&activity=video	Learn the strategy: https://vimeo.com/user12106273/review/426145743/0880a925fc	Learn the strategy: Complete the online lesson: https://classroom.thenational.academy/lessons/problem-solving-using-all-four-operations-69k32d	Learn the strategy: Complete the online lesson: https://classroom.thenational.academy/lessons/converting-measurements-cdj62f
2 Recap year 3		Chapter 12: Geometry			
Year 3, Chapter 13: Lines & shape, Lessons 1, 2 & 3: perpendicular, parallel, horizontal and vertical lines	Lesson 1: Knowing Types of Angles To identify types of angles. <i>(Recap year 3 right angles)</i>	Lesson 2: Comparing Angles To compare angles.	Lesson 3: Classifying Triangles To classify triangles.	Lesson 4: Classifying Quadrilaterals To classify quadrilaterals.	Lesson 5: Identifying Symmetrical Figures To identify symmetrical figures.
Learn the strategy: https://classroom.thenational.academy/lessons/to-revise-parallel-and-perpendicular-lines-65hker?step=2&activity=video	Learn the strategy: Right-angles: https://classroom.thenational.academy/lessons/shape-and-symmetry-to-identify-right-angles-75jkad?step=2&activity=video Acute and obtuse angles: https://classroom.thenational.academy/lessons/shape-and-symmetry-to-identify-acute-and-obtuse-angles-crk0r?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/shape-and-symmetry-to-compare-and-order-angles-c4wpcr?step=1&activity=video	Learn the strategy: Right-angled and equilateral triangles: https://classroom.thenational.academy/lessons/to-identify-and-classify-right-angled-and-equilateral-triangles-6mtk4e?step=2&activity=video Isosceles and scalene triangles: https://classroom.thenational.academy/lessons/to-compare-and-classify-isosceles-and-scalene-triangles-chi62c	Learn the strategy: https://vimeo.com/426153029/176f347a59 And: https://classroom.thenational.academy/lessons/to-compare-and-classify-quadrilaterals-6rv62f?step=2&activity=video	Learn the strategy: https://vimeo.com/428960528/b123566518
3 Consolidation					
Lesson 6: Drawing Lines of Symmetry To draw lines of symmetry.	Lesson 7: Completing Symmetrical Figures To draw symmetrical figures.	Lesson 10: Sorting Shapes To sort shapes.	Revisit addition and subtraction of decimal amounts: Decimal Number Bonds In this lesson, you will use your knowledge of whole-number number bonds to solve decimal-number number bonds.	Revisit addition and subtraction of decimal amounts: Mental Addition and Subtraction In this lesson, you will use mental calculation strategies to add and subtract decimal numbers.	Revisit addition and subtraction of fractions: Adding fractions (with a total greater than one) In this lesson pupils will explore fractions that total to one and greater than one using fraction bars to support understanding.
Learn the strategy: https://classroom.thenational.academy/lessons/to-identify-lines-of-symmetry-in-a-pattern-carkcc?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/to-complete-a-simple-symmetrical-figure-74wpat?step=2&activity=video	Complete the online lesson: https://classroom.thenational.academy/lessons/to-compare-and-classify-2d-shapes-68r3ed?step=2&activity=video	Complete the online lesson: https://classroom.thenational.academy/lessons/decimal-number-bonds-c8vk4t	Complete the online lesson: https://classroom.thenational.academy/lessons/mental-addition-and-subtraction-70uk4t	Complete the online lesson: https://classroom.thenational.academy/lessons/adding-fractions-with-a-total-greater-than-one-cqw66c

4 Consolidation		Chapter 13: Position and Movement			
Revisit addition and subtraction of fractions: Subtracting fractions In this lesson we will explore subtracting fractions involving fractions greater than one using fraction bars & number lines to build understanding.	Revisit properties of shape: Consolidating 3D shape learning In this lesson, we will consolidate our learning of 3-D shapes by recapping: key vocabulary, properties of 3D shapes and application of 3D shape learning.	Lesson 1: Describing Position To describe position.	Lesson 2: Describing Position To describe position.	Lesson 3: Plotting Points To plot coordinates.	Lesson 4: Describing Position To describe movements.
Complete the online lesson: https://classroom.thenational.academy/lessons/subtracting-fractions-2-71k34d	Complete the online lesson: https://classroom.thenational.academy/lessons/consolidating-3d-shape-learning-crwp2c	Learn the strategy: https://classroom.thenational.academy/lessons/to-describe-positions-on-a-2d-grid-as-coordinates-c4w66r?step=1&activity=video		Learn the strategy: https://vimeo.com/user12106273/revuew/429161973/dc853da4b7	Learn the strategy: https://vimeo.com/user12106273/revuew/428751393/8d1754ba7e
5 Consolidation					
Embed graphs from year 3: 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.	Embed graphs from year 3: Interpreting and presenting data in pictograms and bar charts This lesson will include completing pictograms and bar charts from given data, as well as looking at the limitations of graphs.	Revisit graphs: Read, interpret and compare bar charts In this lesson, you will be reading, interpreting and comparing bar charts	Revisit graphs: Interpret time graphs In this lesson, you will be reading and interpreting time graphs	Revisit converting measures: Ordering Measurements In this lesson, you will order units of measurement using your converting units skills.	Revisit measures problems: Calculate and compare the area of rectangles using square metres (m²) In this lesson, we will calculate the area of rectangles in square metres and find missing lengths given the area.
Complete the online lesson: https://classroom.thenational.academy/lessons/reading-and-interpreting-bar-graphs-chhk6c	Complete the online lesson: https://classroom.thenational.academy/lessons/interpreting-and-presenting-data-in-pictograms-and-bar-charts-6fk3ar	Complete the online lesson: https://classroom.thenational.academy/lessons/read-interpret-and-compare-bar-charts-cth3gd	Complete the online lesson: https://classroom.thenational.academy/lessons/interpret-time-graphs-cnqkje	Complete the online lesson: https://classroom.thenational.academy/lessons/ordering-measurements-ctf3cr	Complete the online lesson: https://classroom.thenational.academy/lessons/calculate-and-compare-the-area-of-rectangles-using-square-metres-m-c9j64t
6 Consolidation					
Revisit fractions: Calculating unit fractions of quantities In this lesson we will be solving worded problems involving finding unit fractions of quantities.	Revisit fractions: Calculating non-unit fractions of quantities In this lesson we will be solving worded problems involving finding non-unit fractions of quantities.	Revisit fractions: Comparing non-unit fractions of quantities In this lesson pupils will use bar models to support them in solving worded problems that compare fractions of quantities.	Revisit fractions: Reasoning with fractions In this lesson we will apply our knowledge of fractions to three reasoning problems.	Revisit fractions: Equivalent fractions In this lesson we take a closer look at equivalent fractions. We explore the relationship between the numerator and denominator in pairs of equivalent fractions.	Revisit fractions: Converting mixed numbers into improper fractions In this lesson, pupils will explore representations to connect mixed numbers and improper fractions, before using multiplication formally to convert mixed numbers.
Complete the online lesson: https://classroom.thenational.academy/lessons/calculating-unit-fractions-of-quantities-6wvkgd	Complete the online lesson: https://classroom.thenational.academy/lessons/calculating-non-unit-fractions-of-quantities-cmp4e	Complete the online lesson: https://classroom.thenational.academy/lessons/comparing-non-unit-fractions-of-quantities-6wvk2d	Complete the online lesson: https://classroom.thenational.academy/lessons/reasoning-with-fractions-c4vkje	Complete the online lesson: https://classroom.thenational.academy/lessons/equivalent-fractions-68rk2d	Complete the online lesson: https://classroom.thenational.academy/lessons/converting-mixed-numbers-into-improper-fractions-60rket

7 Consolidation					
Lesson 1: Writing Roman Numerals for 1 to 20 To write Roman numerals (to 20).	Lesson 2: Writing Roman Numerals to 100 To write Roman numerals to 100	Revisit number: Applying and consolidating: Reasoning with 4-digit numbers In this lesson, we apply and consolidating our knowledge of place value and rounding.	Revisit decimals and fraction equivalence: Recognising Common Decimal Equivalents In this lesson, you will explore and identify common decimal equivalents (quarter, half and three quarters).	Revisit division: Short division (Part 2) In today's lesson, we will be exploring how to use the short division algorithm with multiple regroups.	Revisit division: Short division (Part 3) In today's lesson, we will be exploring how to use the short division algorithm, regrouping through zero.
Learn the strategy: https://classroom.thenational.academy/lessons/to-investigate-roman-numerals-up-to-one-hundred-c8ukct?step=2&activity=video		Complete the online lesson: https://classroom.thenational.academy/lessons/applying-and-consolidating-reasoning-with-4-digit-numbers-64t30d	Complete the online lesson: https://classroom.thenational.academy/lessons/recognising-common-decimal-equivalents-6dgk6c	Complete the online lesson: https://classroom.thenational.academy/lessons/short-division-part-2-6nk66c	Complete the online lesson: https://classroom.thenational.academy/lessons/short-division-part-3-ctj3cr