Year 5 spring home learning overview

Quality First Education Trust

1 Spring term 1 Recap Fractions: Year 3 and 4					
Bank Holiday	**INSET day**	**ADDITIONAL LESSON:** <u>Recap Yr3, Ch.11:</u> **Lesson 10: Finding Equivalent Fractions** To find equivalent fractions using concrete and pictorial.	**ADDITIONAL LESSON:** <u>Recap Yr3, Ch.11:</u> **Lesson 12: Finding the Simplest Fraction** To find the simplest fraction using concrete materials.	**ADDITIONAL LESSON:** <u>Recap Yr3, Ch.11:</u> **Lesson 16: Comparing Fractions** To compare fractions; to understand the numerator.	**ADDITIONAL LESSON:** <u>Recap Yr3, Ch.11:</u> **Lesson 18: Adding Fractions** To add fractions; to simplify fractions after adding them.
		Learn the strategy: **https://vimeo.com/417546470/33ec45a471**	**Learn the strategy:** **https://vimeo.com/417571675/8b956b3cbe**	**Learn the strategy:** **https://vimeo.com/417234426/0e869afbf9**	**Learn the strategy:** **https://vimeo.com/418053312/1280e10df4**

2 Recap Fractions: Year 3 and 4					
ADDITIONAL LESSON: **Recap Yr 3: Ch.11, Lesson 19: Subtracting Fractions** To subtract fractions; to simplify fractions after they have been subtracted.	**ADDITIONAL LESSON:** **Recap Yr 3: Ch.11, Lesson 21: Finding Part of a Set** To determine a fraction of a whole number using pictorial representations.	**ADDITIONAL LESSON:** **Recap Yr3, Ch.11: Lesson 22: Finding Part of a Set** To find a fraction of a whole number using pictorial, multiplication and concrete objects.	**ADDITIONAL LESSON:** **Recap Yr3, Ch.11: Lesson 23: Finding the Fraction of a Number** To consolidate finding the fraction of a whole number.	**ADDITIONAL LESSON:** <u>Recap year 4: Book 4A</u>, Ch.6, **Lesson 3: Showing Mixed Numbers on a Number Line** To show mixed number fractions on a number line.	**ADDITIONAL LESSON:** <u>Recap year 4: Book 4A</u>, Ch.6, **Lesson 4: Finding Equivalent Fractions** To find equivalent fractions.
Learn the strategy: **Subtracting fractions:** **https://vimeo.com/413036415/c5a4e1daa8** **Simplifying fractions:** **https://vimeo.com/417571675/8b956b3cbe**	**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-61k34t?step=2&activity=video** **And: (up to 5 minutes and 20 seconds)** **https://classroom.thenational.academy/lessons/calcuting-non-unit-fractions-of-quntities-70u3jd?step=2&activity=video**	**Learn the strategy: (up to 5 minutes and 57 seconds)** **https://classroom.thenational.academy/lessons/ordering-fractions-c4vp6r?step=2&activity=video**	**Learn the strategy:** **https://classroom.thenational.academy/lessons/fractions-recognising-equivalent-fractions-2-ccr38c?step=2&activity=video** **Or:** **https://classroom.thenational.academy/lessons/equivalent-fractions-cgt66c?step=2&activity=video**

3 Recap Fractions: Year 3 and 4					**Chapter 6: Fractions**
ADDITIONAL LESSON: **Recap year 4:** <u>Book 4A</u>, Ch.6, **Lesson 7: Simplifying Improper Fractions** To simplify improper fractions.	**ADDITIONAL LESSON:** **Recap year 4:** <u>Book 4A</u>, Ch.6, **Lesson 9: Adding Fractions** To add fractions (recording answers as a mixed number).	**ADDITIONAL LESSON:** **Recap year 4:** <u>Book 4A</u>, Ch.6, **Lesson 10: Adding Fractions** To add fractions (simplest form).	**ADDITIONAL LESSON:** **Recap year 4:** <u>Book 4A</u>, Ch.6, **Lesson 11: Subtracting Fractions** To subtract fractions.	**ADDITIONAL LESSON:** **Recap year 4:** <u>Book 4A</u>, Ch.6, **Lesson 12: Subtracting Fractions** To subtract fractions (equivalence).	**Lesson 1: Dividing to Make Fractions** To divide whole numbers to create fractions; to create mixed numbers & improper fractions.
Learn the strategy: **https://classroom.thenational.academy/lessons/using-improper-fractions-6ru62c?step=2&activity=video**	**Learn the strategy:** **https://classroom.thenational.academy/lessons/adding-fractions-with-a-total-greater-than-one-cgw66c?step=2&activity=video** **Recapping using mixed numbers if needed:** **https://classroom.thenational.academy/lessons/using-mixed-numbers-61hkad?step=2&activity=video** **Recapping converting between mixed numbers and improper fractions:** **https://classroom.thenational.academy/lessons/converting-mixed-numbers-into-improper-fractions-60rket?step=2&activity=video**	**Learn the strategy:** **Recap simplifying fractions (from 5 minutes and 30 seconds)** **https://classroom.thenational.academy/lessons/finding-equivalent-fractions-ctgp4r?step=2&activity=video**	**Learn the strategy:** **https://classroom.thenational.academy/lessons/subtracting-fractions-2-71k34d?step=2&activity=video**	**Learn the strategy:** **https://classroom.thenational.academy/lessons/subtract-fractions-6hh66r?step=2&activity=video**	**Learn the strategy:** **Intro:** **https://classroom.thenational.academy/lessons/to-identify-describe-and-represent-fractions-ccw3ee?step=1&activity=video**

Year 5 spring home learning overview

Quality First Education Trust

4	Chapter 6: Fractions					
	Lesson 2: Writing Improper Fractions and Mixed Numbers To write improper fractions and mixed numbers using a number line and pictorial methods.	**Lesson 3: Finding Equivalent Fractions** To find equivalent fractions using pictorial methods.	**Lesson 4: Comparing and Ordering Fractions** To compare and order fractions using the pictorial method.	**Lesson 5: Comparing and Ordering Fractions** To compare and order improper fractions using the pictorial method.	**Lesson 6: Comparing and Ordering Fractions** To compare mixed numbers using pictorial; to find common denominators where one fraction is already the common denominator for all.	**Lesson 7: Making Number Pairs** To make number pairs (number bonds) with fractions with different denominators.
	Learn the strategy: https://classroom.thenational.academy/lessons/compare-fractions-greater-than-one-c8vkgr?step=2&activity=video	**Learn the strategy:** https://vimeo.com/419603258/19e2699144	**Learn the strategy:** https://classroom.thenational.academy/lessons/ordering-fractions-c4vp6r?step=2&activity=video		**Learn the strategy:** https://vimeo.com/419603289/dc82b56714	**Learn the strategy:** https://classroom.thenational.academy/lessons/add-and-subtract-fractions-with-a-common-denominator-68vpae?step=2&activity=video

5	Chapter 6: Fractions					
	Lesson 8: Adding Fractions To add unlike fractions by finding a common denominator using pictorial methods.	**Lesson 9: Adding Fractions** To add unlike fractions by finding a common denominator using pictorial methods.	**Lesson 10: Adding Fractions** To add together unlike fractions where the sum is greater than 1, creating mixed numbers or improper fractions.	**Lesson 11: Adding Fractions** To add unlike fractions which create improper fractions and mixed numbers that give rise to simplification.	**Lesson 12: Subtracting Fractions** To subtract fractions with different denominators; to subtract fractions from whole numbers.	**Lesson 13: Subtracting Fractions** To subtract fractions where the denominators are not the same; to use bar models for subtracting fractions.
	Learn the strategy: https://classroom.thenational.academy/lessons/add-and-subtract-fractions-with-a-common-denominator-68vpae?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/add-fractions-cnk3ar?step=2&activity=video	**Learn the strategy:** https://vimeo.com/419603358/431288e8d3	**Learn the strategy:** https://vimeo.com/419603358/431288e8d3 **Simplifying fractions: (from 10 minutes)** https://classroom.thenational.academy/lessons/finding-equivalent-fractions-ctgp4r?step=2&activity=video	**Learn the strategy: (from 7 minutes 20 seconds to 9 minutes and 27 seconds)** https://classroom.thenational.academy/lessons/fractions-solve-fraction-problems-with-the-four-operations-cgrk0d?step=2&activity=video	**Learn the strategy:** https://vimeo.com/419603396/ad5a8077cd

6	Chapter 6: Fractions				Catch up time	
	Lesson 14: Subtracting Fractions To subtract fractions and mixed numbers from mixed numbers with different denominators.	**Lesson 15: Multiplying Fractions by Whole Numbers** To multiply fractions by whole numbers creating other fractions, mixed numbers or improper fractions.	**Lesson 16: Multiplying Fractions by Whole Numbers** To multiply fractions by whole numbers where the product is an improper fraction or mixed number.	**Lesson 17: Multiplying Mixed Numbers** To multiply mixed numbers by whole numbers, creating larger mixed numbers.	Revisit any worksheets that have not been completed so far from this half term.	Revisit any worksheets that have not been completed so far from this half term.
	Learn the strategy: https://classroom.thenational.academy/lessons/subtracting-mixed-numbers-6xk32e?step=1&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/multiply-a-fraction-by-a-whole-number-cgup2t?step=2&activity=video		**Learn the strategy:** https://vimeo.com/419603467/ea89654f58		

Half term break

Year 5 spring home learning overview

Quality First Education Trust

7 Spring term 2				Chapter 7: Decimals	
Revisit formal multiplication of whole numbers	**Revisit formal multiplication and division of whole numbers**	**Embed multiplication of fractions**	**Embed addition and subtraction of fractions**	**ADDITIONAL LESSON:** Recap year 4 fractions: Bk 4B, Ch. 8, Lesson 17: Dividing Whole Numbers by 100 To divide whole numbers by 100&10.	**Lesson 1: Writing Decimals** To write decimal numbers.
Complete the online lesson: https://classroom.thenational.academy/lessons/multiplying-a-3-digit-number-by-a-2-digit-number-cmwpae	**Complete the online lesson:** https://classroom.thenational.academy/lessons/short-division-part-1-6gr6ar	**Complete the online lesson:** https://classroom.thenational.academy/lessons/multiply-a-mixed-number-fraction-6njk6t?from_query=multiply+fractions+by+a+whole+numbers	**Complete the online lesson:** https://classroom.thenational.academy/lessons/add-and-subtract-fractions-with-a-common-denominator-68vpae	**Learn the strategy:** https://classroom.thenational.academy/lessons/multiplying-and-dividing-by-100-part-1-68vk6c?step=2&activity=video https://classroom.thenational.academy/lessons/multiplying-and-dividing-by-100-part-2-6ngkcc?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/representing-decimals-c9gpat?step=1&activity=video
8 Chapter 7: Decimals					
Lesson 2: Reading and Writing Decimals To read and write decimals.	**Lesson 3: Reading and Writing Decimals** To read and write decimals.	**Lesson 4: Comparing Decimals** To compare tenths and hundredths written as decimals.	**Lesson 5: Comparing Decimals** To order and compare decimals.	**Lesson 6: Comparing Decimals** To compare and order decimals of amounts.	**Lesson 7: Writing Fractions as Decimals** To write fractions as decimals.
Learn the strategy: https://classroom.thenational.academy/lessons/thousandths-6wup6t?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/thousandths-6wup6t?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/recognising-decimal-hundredths-part-1-c4v3ed?step=2&activity=video https://classroom.thenational.academy/lessons/recognising-decimal-hundredths-part-2-cmukcd?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/comparing-and-ordering-ccwk0r?step=2&activity=video		**Learn the strategy:** https://classroom.thenational.academy/lessons/tenths-and-hundredths-6nj68c?step=2&activity=video https://classroom.thenational.academy/lessons/comparing-fractions-and-decimals-c5jp8r?step=2&activity=video
9 Chapter 7: Decimals					
Lesson 8: Adding and Subtracting Decimals To add and subtract amounts in decimals.	**ADDITIONAL LESSON: Mental Addition and Subtraction** To use mental calculation strategies to add and subtract decimal numbers.	**ADDITIONAL LESSON: Adding decimals** To use the formal written method to add decimal numbers and correct mistakes made with this method.	**ADDITIONAL LESSON: Subtracting decimals** To use the formal written method to subtract decimal numbers and correct mistakes made with this method.	**Lesson 9: Adding and Subtracting Decimals** To add and subtract decimals. To add and subtract amounts in pounds and pence.	**Lesson 10: Adding and Subtracting Decimals** To add and subtract amounts in pounds and pence.
Learn the strategy: https://classroom.thenational.academy/lessons/mental-addition-and-subtraction-70uk4t?step=2&activity=video	**Complete the online lesson:** https://classroom.thenational.academy/lessons/mental-addition-and-subtraction-70uk4t	**Complete the online lesson:** https://classroom.thenational.academy/lessons/adding-decimals-70t62r	**Complete the online lesson:** https://classroom.thenational.academy/lessons/subtracting-decimals-69jpat	**Learn the strategy:** https://classroom.thenational.academy/lessons/solving-problems-with-decimals-using-addition-and-subtraction-6gu6ad **Recap column addition and subtraction:** https://classroom.thenational.academy/lessons/applying-and-consolidating-column-method-for-addition-and-subtraction-cgvpcc?step=2&activity=video	

10 Chapter 7: Decimals

Lesson 11: Adding and Subtracting Decimals	Lesson 12: Adding and Subtracting Decimals	Lesson 13: Adding and Subtracting Decimals	Lesson 14: Adding and Subtracting Decimals	Lesson 15: Rounding Decimals	REVIEW:
To add and subtract decimals. To add & subtract amounts in pounds & pence.	To add and subtract decimals to find the smallest possible sum and difference.	To add and subtract decimals. To find number pairs that add up to 1.	To add and subtract the perimeter using decimals.	To round decimals to the nearest whole. To round numbers to the nearest tenth.	Chapter 7: Decimals
Learn the strategy: **Addition:** https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-add-decimals/v/andding-decimals-with-hundredths **Subtraction:** https://www.khanacademy.org/math/cc-fifth-grade-math/subtract-decimals/xe33ac28b798af866:subtracting-decimals-hundredths/v/subtraction-strategies-with-hundredths	**Learn the strategy:** **Addition:** https://classroom.thenational.academy/lessons/adding-decimals-70t62r?step=2&activity=video **Subtraction:** https://classroom.thenational.academy/lessons/subtracting-decimals-69jpat?step=2&activity=video	**Learn the strategy:** **Adding tenths to make one whole: (up to 10 minutes and 49 seconds)** https://classroom.thenational.academy/lessons/decimal-number-bonds-c8vk4t?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/deriving-decimal-addition-and-subtraction-facts-6gu30c?step=2&activity=video	**Learn the strategy:** **Part 1:** https://classroom.thenational.academy/lessons/rounding-decimals-part-1-70r6at?step=2&activity=video **Part 2:** https://classroom.thenational.academy/lessons/rounding-decimals-part-2-74rkgc?step=2&activity=video	Use the strategies we have learnt in this chapter to complete the review. Go back to watch the videos if you are not sure.

11 Chapter 8: Percentages | | | | **Chapter 9: Geometry** |

Lesson 1: Comparing Quantities	Lesson 2: Finding Percentages	Lesson 3: Finding Percentages	REVIEW:	ADDITIONAL LESSON:	Lesson 1: Knowing Types of Angles
To compare quantities & convert fractions, decimals and percentages.	To convert values of an amount. To convert fractions into percentages.	To convert values of an amount and convert fractions into percentages.	Chapter 8: Percentages	**Recap yr 4 geometry: Bk 4B, Ch.12, Lesson 7 : Completing Symmetrical Figures** To complete a symmetric figure with respect to a specific line of symmetry.	To know the names and qualities of acute, right, obtuse and reflex angles.
Learn the strategy: https://classroom.thenational.academy/lessons/understanding-percentage-6gvpad?step=2&activity=video **Or:** https://classroom.thenational.academy/lessons/understand-what-a-percentage-is-and-its-connection-to-fractions-6rrk2c?step=1&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/percentage-as-a-fraction-and-decimal-6mrk0r?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/finding-percent-of-a-quantity-problem-solving-c9h38d?step=2&activity=video	Use the strategies we have learnt in this chapter to complete the review. Go back to watch the videos if you are not sure.	**Learn the strategy:** https://classroom.thenational.academy/lessons/to-identify-and-describe-lines-of-symmetry-in-2-d-shapes-c5jk0c?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/compare-and-order-acute-obtuse-and-reflex-angles-6dhk6d?step=2&activity=video

12 Chapter 9: Geometry | | | **Catch up time** | |

Lesson 2: Measuring Angles (over 2 days)	Lesson 2: Measuring Angles (over 2 days)	Lesson 3: Measuring Angles	Revisit any worksheets that have not been completed so far from this half term.	Revisit any worksheets that have not been completed so far from this half term.	Revisit any worksheets that have not been completed so far from this half term.
To measure angles using a protractor.					
Learn the strategy: https://classroom.thenational.academy/lessons/reading-angles-on-a-protractor-part-1-6mt3gt?step=2&activity=video **Then:** https://classroom.thenational.academy/lessons/reading-angles-on-a-protractor-part-2-6mt30d?step=2&activity=video		**Learn the strategy: (as for last lesson)** https://classroom.thenational.academy/lessons/reading-angles-on-a-protractor-part-3-cnh3ge?step=2&activity=video			

Easter Holiday Break