

1 Spring term 1 2020-21						
Chapter 4: Further multiplica	tion and division					
INSET day	Lesson 13: Dividing 3-Digit Numbers To divide 3-digit numbers.	Lesson 14: Dividing 2-Digit Numbers with remainders. Divide 2-digit numbers	Lesson 15: Dividing 3-Digit Numbers Divide 3-digit numbers.	Lesson 16: Dividing 3-Digit Numbers Divide 3-digit numbers with remainders.	Recap multiplication and division	
	Learn the strategy: https://vimeo.com/436377697/8c8 334dd99	Learn the strategy: https://vimeo.com/433572835/939 d4f6861	Learn the strategy: https://vimeo.com/435656890/883 be87169	Learn the strategy: https://vimeo.com/433572835/939 d4f6861	Learn the strategy: Multiplication methods: https://vimeo.com/433570438/182 be9a43e https://vimeo.com/433792558/5bd d26d050 Division methods: https://vimeo.com/433572835/939 d4f6861	
2 Chapter 4: Further x & ÷		Chapter 5: Graphs				
Lesson 17: Solving Word Problems To solve multiplication and division word problems.	Lesson 18: Solving Word Problems To solve multiplication and division word problems (multi-step).	Lesson 1: Drawing and Reading Picture Graphs and Bar Graphs To draw and read picture graphs & bar graphs.	Lesson 2: Drawing and Reading Bar Graphs To draw and read bar graphs.	Lesson 3: Drawing and Reading Line Graphs To draw and read line graphs.	Lesson 4: Drawing and Reading Line Graphs To draw and read a line graph.	
Learn the strategy: Multiplication recap: https://vimeo.com/433570438/182be9a43e https://vimeo.com/433792558/5bdd26d050 Division recap: https://vimeo.com/433572835/939d4f6861		Learn the strategy: https://classroom.thenational.aca demy/lessons/interpreting-and- presenting-data-in-pictograms- and-bar-charts- 6tk3ar?step=2&activity=video	Learn the strategy: https://classroom.thenational.aca demy/lessons/bar-charts- 6hh3gr?activity=video&step=1	Learn the strategy: https://classroom.thenational.aca demy/lessons/read-and-interpret- time-graphs- 6mvp6e?step=1&activity=video	Learn the strategy: https://classroom.thenational.aca demy/lessons/comparing-time- graphs- 64t3ad?step=1&activity=video	
3 Ch5: Graphs	3 Ch5: Graphs		Fractions: Recap Year 3, textbook 3B			
Lesson 5: Drawing and Reading Line Graphs To draw and read line graphs (drawing focus).	MNP Year 4 mid-year revision 4A assessment	MNP Year 4 mid-year revision 4A assessment	Recap year 3 fractions: Ch.11, Lesson 1: Counting in Tenths To count in tenths; to recognise tenths and be able to determine how many tenths are shaded.	Recap year 3 fractions: Ch.11, Lesson 2: Making Number Pairs To make number pairs to create 1; to combine fractions to make 1.	Recap year 3 fractions: Ch.11, Lesson 3: Adding Fractions To add fractions with the same denominator.	
Learn the strategy: (up to 17 minutes) https://classroom.thenational.aca	Complete workbook 4A mid- year revision sections A and B, questions 1-27.	Complete workbook 4A mid- year revision sections C and D, questions 28-45.	Learn the strategy: https://vimeo.com/412245221/90c 9d59c28	Learn the strategy: https://vimeo.com/412345580/34c e70e489	Learn the strategy: https://vimeo.com/414683843/03a 266864b	
demy/lessons/reading-and- interpreting-line-graphs- cgtkad?step=2&activity=video				https://vimeo.com/412341663/844 c400f2e	https://vimeo.com/412710096/93c b56f6f9	
interpreting-line-graphs-	extbook 3B					
interpreting-line-graphs- cgtkad?step=2&activity=video	Recap year 3 fractions: Ch.11, Lesson 6: Finding Equivalent Fractions To find equivalent fractions through paper folding and shading.	Recap year 3 fractions: Ch.11, Lesson 8: Finding Equivalent Fractions To find equivalent fractions; to place fractions on a number line.	Recap year 3 fractions: Ch.11, Lesson 9: Finding Equivalent Fractions To find fractions equivalent to 1/2; use pictorial and multiplication to show equivalence. Learn the strategy:			

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5 Fractions: Recap Year 3, textbook 3B				
Recap year 3 fractions: Ch.11, Lesson 16: Comparing Fractions To compare fractions using pictorial representations; to understand the numerical nature of the numerator.	Recap year 3 fractions: Ch.11, Lesson 18: Adding Fractions To add fractions using pictorial representations; to simplify fractions after adding them.	Recap year 3 fractions: Ch.11, Lesson 19: Subtracting Fractions To subtract fractions using pictorial representations; to simplify fractions after they have been subtracted.	Recap year 3 fractions: Ch.11, Lesson 20: Subtracting Fractions To subtract fractions from a whole amount; to use pictorial representations of whole numbers to help subtract fractions.	Lesson 1: Counting in Hundredths To count in hundredths.
Learn the strategy: https://vimeo.com/417234426/0e8 69afbf9	Learn the strategy: https://vimeo.com/418053312/128 0e10df4	Learn the strategy: Subtracting fractions: https://vimeo.com/413036415/c5a 4e1daa8  Simplifying fractions: https://vimeo.com/417571675/8b9 56b3cbe	Learn the strategy: https://classroom.thenational.aca demy/lessons/fractions- subtracting-fractions-with-the- same-denominator- c9jker?step=2&activity=video	Learn the strategy: https://classroom.thenational.ac demy/lessons/tenths-and- hundredths- ónjó8c?step=2&activity=video
				Catch up time
Lesson 3: Showing Mixed Numbers on a Number Line To show mixed number fractions on a number line.  Learn the strategy: (up to 5 minutes and 57 seconds) https://classroom.thenational.aca	Lesson 4: Finding Equivalent Fractions To find equivalent fractions.  Learn the strategy: https://classroom.thenational.aca demy/lessons/fractions-	Lesson 5: Finding Equivalent Fractions To find equivalent fractions (further practise).  Learn the strategy: https://classroom.thenational.aca demy/lessons/equivalent-	Lesson 6: Simplifying Mixed Numbers To simplify mixed number fractions.  Learn the strategy: https://classroom.thenational.academy/lessons/simplifying-	
demy/lessons/ordering-fractions- c4vp6r?step=2&activity=video	recognising-equivalent-fractions- 2-ccr38c?step=2&activity=video Or: https://classroom.thenational.aca demy/lessons/equivalent- fractions- cgt66c?step=2&activity=video	fractions- chk6ar?step=1&activity=video Or: https://classroom.thenational.aca demy/lessons/finding-equivalent- fractions- ctgp4r?step=2&activity=video	fractions- 68v68t?step=2&activity=video	
	Recap year 3 fractions: Ch.11, Lesson 16: Comparing Fractions To compare fractions using pictorial representations; to understand the numerical nature of the numerator.  Learn the strategy: https://vimeo.com/417234426/0e8 69afbf9  Lesson 3: Showing Mixed Numbers on a Number Line To show mixed number fractions on a number line. Learn the strategy: (up to 5 minutes and 57 seconds) https://classroom.thenational.aca demy/lessons/ordering-fractions-	Recap year 3 fractions: Ch.11, Lesson 16: Comparing Fractions To compare fractions using pictorial representations; to understand the numerical nature of the numerator.  Learn the strategy: https://vimeo.com/417234426/0e8 69afbf9  Lesson 3: Showing Mixed Numbers on a Number Line To show mixed number fractions on a number line. Learn the strategy: (up to 5 minutes and 57 seconds) https://classroom.thenational.aca demy/lessons/ordering-fractions- c4vp6r?step=2&activity=video  Recap year 3 fractions: Ch.11, Lesson 18: Adding Fractions To add fractions using pictorial representations; to simplify fractions after adding them.  Learn the strategy: https://vimeo.com/418053312/128 0e10df4  Lesson 4: Finding Equivalent Fractions To find equivalent fractions. To find equivalent fractions. Learn the strategy: https://classroom.thenational.aca demy/lessons/fractions- 2-ccr38c?step=2&activity=video Or: https://classroom.thenational.aca demy/lessons/equivalent-	Recap year 3 fractions: Ch.11, Lesson 16: Comparing Fractions To compare fractions using pictorial representations; to understand the numerical nature of the numerator.  Learn the strategy: https://vimeo.com/417234426/0e8 69atbf9  Lesson 3: Showing Mixed Numbers on a Number Line To show mixed number fractions on a number line. Learn the strategy: to find equivalent fractions. To find equivalent fractions.  Learn the strategy: https://classroom.thenational.aca demy/lessons/ordering-fractions- cdvp6f?step=2&activity=video  Recap year 3 fractions: Ch.11, Lesson 19: Subtracting Fractions Ch.11, Lesson 19: Subtracting Fractions to subtract fractions using pictorial representations; to simplify fractions after they have been subtracted.  Learn the strategy: https://vimeo.com/418053312/128 0e10df4  Lesson 3: Showing Mixed Numbers on a Number Line To show mixed number fractions To find equivalent fractions. To find equivalent fractions To find equivalent fractions (further practise).  Learn the strategy: https://classroom.thenational.aca demy/lessons/fractions- 2-ccr38c?step=2&activity=video Or: https://classroom.thenational.aca demy/lessons/equivalent- fractions To finding Equivalent fractions (further practise).  Learn the strategy: https://classroom.thenational.aca demy/lessons/fractions- 2-ccr38c?step=2&activity=video Or: https://classroom.thenational.aca demy/lessons/finding-equivalent- fractions	Recap year 3 fractions: Ch.11, Lesson 16: Comparing Fractions To compare fractions To add fractions using pictorial representations; to understand the numerical nature of the numerator.  Learn the strategy: https://vimeo.com/417234426/0e8 897atbf9  Lesson 3: Showing Mixed Numbers on a Number Line To show mixed number fractions on a number line.  Learn the strategy: fractions To subtract fractions using pictorial representations; to simplify fractions after adding them.  Learn the strategy: https://vimeo.com/417234426/0e8 897atbf9  Lesson 3: Showing Mixed Numbers on a Number Line To show mixed number fractions on a number line.  Learn the strategy: fractions To subtract fractions fractions using pictorial representations; to simplify fractions after they have been subtracted.  Learn the strategy: https://vimeo.com/417234426/0e8 897atbf9  Lesson 3: Showing Mixed Numbers on a Number Line To show mixed number fractions To find equivalent fractions. To find equivalent fractions (further practise).  Learn the strategy: https://classroom.thenational.aca demy/lessons/factions: cdemy/lessons/ordering-fractions: cdvp6/7step=2&activity=video  Or: https://classroom.thenational.aca demy/lessons/factions: cdvm/lessons/factions: cdvmy/lessons/factions: cdvmy/lessons/factions: cdvmy/lessons/factions-geulvalent-geulvalent-geograps-geograps-g



Spring term 2 2020-21					
7 Chapter 6: Fractions					
Lesson 7: Simplifying Improper Fractions To simplify improper fractions.	Lesson 8: Adding Fractions To add fractions.	Lesson 9: Adding Fractions To add fractions (recording answers as a mixed number).	Lesson 10: Adding Fractions To add fractions (simplest form).	Lesson 11: Subtracting Fractions To subtract fractions.	Lesson 12: Subtracting Fractions To subtract fractions (equivalence). (Could use L13 for deepening)
Learn the strategy: https://classroom.thenational.acad emy/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: https://classroom.thenational.acad emy/lessons/subtracting-fractions- 2-71k34d?step=2&activity=video	Recap the strategy: https://classroom.thenational.academy/lessons/fractions-subtracting-fractions-with-the-same-denominator-cyliker/step=2&activity=video Recapping equivalent fractions: https://classroom.thenational.academy/lessons/recognising-equivalent-fractions-6rrkjr?step=2&activity=video
8 Fractions: Recap Year 3, te			Chapter 7: Time		
Lesson 21: Finding Part of a Set To determine a fraction of a whole number using pictorial representations. Learn the strategy: https://vimeo.com/419965750/22fe 324141 Then: https://vimeo.com/419968659/fc30 253f01 Finally: https://vimeo.com/419974092/e35 be4bbb5	Lesson 22: Finding Part of a Set To find a fraction of a whole using pictorial representations, multiplication & concrete.  Learn the strategy: https://vimeo.com/419958568/e10 03a04ea	Lesson 23: Finding the Fraction of a Number To consolidate finding the fraction of a whole number.  Learn the strategy: https://classroom.thenational.academy/lessons/to-find-unit-fractions-of-a-given-quantity-61k34f?step=2&activity=video And: (up to 5 minutes and 20 seconds) https://classroom.thenational.academy/lessons/calcuting-non-unit-fractions-of-qunitities-70u3id?step=2&activity=video	Lesson 1: Telling Time on a 24-Hour Clock To tell the time on a 24-hour clock.  Learn the strategy: https://classroom.thenational.aca demy/lessons/reading-writing- and-converting-time-between-12-hour-and-24-hour-clocks- 6hj66t?step=1&activity=video	Lesson 2: Changing Time in Minutes to Seconds To convert between minutes and seconds.  Learn the strategy: https://classroom.thenational.academy/lessons/converting-between-hours-minutes-and-seconds-6djket?step=2&activity=video	
9 'Holistic maths skills' days -		Recap lesson	Chapter 7: Time		
Create a poster to show another child in year 3 how to complete these calculations: 3216 + 1439 and 4365 – 2586 Remember the strategies: Addition:		Recap converting time from lessons 1 and 2	Lesson 4: Solving Problems on Duration of Time To solve time problems.	Lesson 5: Changing Years to Months and Weeks to Days To convert between units of time.	Lesson 6: Solving Word Problems To solve word problems (duration).
https://classroom.thenational.academy/lessons/adding-using-the-column-method-when-multiple-columns-require-regrouping-cmwpcr?step=2&activity=video  Subtraction: https://classroom.thenational.academy/lessons/subtracting-using-the-column-method-when-multiple-columns-require-regrouping-6xh34c?step=2&activity=video  On your poster show your thinking in different ways. You could show how to solve the calculations using a place value grid and by drawing the Dienes and with the formal calculation. Use different colours to show thousands, hundreds, tens and ones. Explain the methods on your poster to a family member or carer. Talk about all the different ways you have shown to solve the calculation and explain where another child may go wrong when using these methods.		Complete the online lesson: https://classroom.thenational. academy/lessons/converting- between-hours-minutes-and- seconds-6djket	Learn the strategy: https://classroom.thenational.acad emy/lessons/solving-word- problems-with-time- 6ct3gc?step=2&activity=video	Learn the strategy: https://classroom.thenational.acad emy/lessons/converting-between- years-months-and-weeks- 70rk2d?step=2&activity=video	Learn the strategy: (recap) https://classroom.thenational.acad emy/lessons/further-applying- knowledge-of-time-to-solve- problems- ctgkgd?step=1&activity=video



10 Chapter 8: Decimals	10 Chapter 8: Decimals					
Recap formal addition and subtraction	Lesson 1: Writing Tenths To record tenths.	Lesson 2: Writing Tenths To record in tenths.	Lesson 3: Writing Tenths To record in tenths (in different ways).	Lesson 4: Writing Hundredths To write hundredths.	Lesson 5: Writing Hundredths To write hundredths.	
Learn the strategy: Complete the online lesson: https://classroom.thenational.acad emy/lessons/solving-two-step- word-problems-69k3gr	Learn the strategy: https://classroom.thenational.academy/lessons/recognising-decimal-tenths-part-1-ctgkcd?step=1&activity=video		Learn the strategy: https://classroom.thenational.aca demy/lessons/recognising- decimal-tenths-part-2- 64upac?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/recognising-decimal-hundredths-part-1-c4v3ed?step=2&activity=video		
11 Chapter 8: Decimals Lesson 6: Writing Hundredths	Lesson 7: Writing Hundredths	Lesson 8: Writing Decimals	Lesson 9: Comparing and	Lesson 10: Comparing and	Lesson 11: Comparing and	
To write hundredths (in different ways).	To record hundredths.	To write decimal numbers.	Ordering Decimals To compare and order decimal numbers.	Ordering Decimals To compare and order decimal numbers.	Ordering Decimals To compare and order decimal numbers.	
Learn the strategy: (up to 3 minutes and 39 seconds) https://classroom.thenational.academy/lessons/decimal-number-bonds-c8vk4t?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/recognising-decimal-hundredths-part-2-cmukcd?step=2&activity=video		Learn the strategy: https://classroom.thenational.acad emy/lessons/ordering-decimals- 6gt66r?step=2&activity=video	Learn the strategy: https://www.khanacademy.org/math/get-ready-for-5th-grade/x01d8909412c13b9d:get-ready-for-decimal-place-value/x01d8909412c13b9d:compare-decimals-and-fractions/v/comparing-decimals-visually-example	Learn the strategy:https://www.khanacade my.org/math/4th-engage-ny/engage-4th-module-6/4th-module-6-topic-c/v/comparing-decimals-with-hundredths	
12 Recap lessons to revise and consolidate		Easter Break				
Recap formal addition  Complete the online lesson: https://classroom.thenational.acad emy/lessons/adding-using-the- column-method-when-multiple- columns-require-regrouping- cmwpcr	Recap formal subtraction  Complete the online lesson: https://classroom.thenational.acad emy/lessons/subtracting-using- the-column-method-when- multiple-columns-require- regrouping-6xh34c	Recap problem solving  Complete the online lesson: https://classroom.thenational.aca demy/lessons/applying-and- consolidating-word-problems- and-bar-models-70rkcc				