Year 4 home learning overview 2020-21

Quality First Education Trust

1 Autumn term 2020					
Recap year 3 <u>Book 3A</u>, Ch.1, Lesson 3: Place Value	Recap year 3 <u>Book 3A</u>, Ch.1, Lesson 4: Comparing and Ordering Numbers	Recap year 3 <u>Book 3A</u>, Ch.1, Lesson 5:	**Chapter 1: Numbers to 10 000**		
			Lesson 1: Counting in Hundreds and Twenty-Fives	Lesson 2: Counting in Thousands	Lesson 3: Counting in Thousands, Hundreds, Tens and Ones
2 Chapter 1: Numbers to 10 000					
Lesson 4: Using Place Value	Lesson 5: Using Place Value	Lesson 6: Comparing and Ordering Numbers	Lesson 7: Comparing and Ordering Numbers	Lesson 8: Making Number Patterns	Lesson 9: Making Number Patterns
3 Chapter 1: Numbers to 10 000					
Lesson 10: Counting in Sixes, Sevens and Nines	Additional lesson to embed rounding	Additional lesson to embed rounding	Additional lesson to embed rounding	Lesson 11: Rounding Numbers	Lesson 12: Rounding Numbers.
4 Chapter 1: Numbers to 10 000		**Assessment** <u>**Year 3 summer test x2**</u>	**Negative numbers**		Recap year 3
Lesson 13 : Rounding Numbers to Estimate	Lesson 14 : Rounding Numbers to Estimate		To understand negative numbers. (Mind Workout from Ch.1)	To understand negative numbers. (Mind Workout from Ch.1)	<u>Book 3A</u>, Ch. 2 Lesson 5: Simple Addition
Recap year 3	**Chapter 2: Addition and subtraction**				
<u>Book 3A</u>, Ch. 2 Lesson 10: Adding with Renaming	Lesson 1: Finding Sums	Lesson 2: Adding without Renaming	Lesson 3: Adding with Renaming	Lesson 4: Adding with Renaming	Lesson 5: Adding with Renaming
6 Chapter 2: Addition and subtraction		Recap year 3	Recap year 3	**Chapter 2: Addition and subtraction**	
Lesson 6: Adding Using Mental Strategies	Lesson 7: Adding Using Mental Strategies	<u>Book 3A</u>, Ch. 2 Lesson 15: Simple Subtraction	<u>Book 3A</u>, Ch. 2 Lesson 16: Subtracting with Renaming	Lesson 8: Finding Differences	Lesson 9: Subtracting without Renaming
7 Chapter 2: Addition and subtraction					
Lesson 10: Subtracting with **Renaming** To subtract with renaming (in tens and ones).	Lesson 12: Subtracting with **Renaming** To subtract with renaming (in H, T and O).	Lesson 13: Subtracting with **Renaming** To subtract with renaming in the Th, H, T and O place	Additional lesson **Embed Subtraction with renaming <u>as needed – may be used in Aut. 1 or 2</u>**	Additional lesson **Embed Subtraction with renaming <u>as needed – may be used in Aut. 1 or 2</u>**	Additional lesson **Embed Subtraction with renaming <u>as needed – may be used in Aut. 1 or 2</u>**
<u>**Learn the strategy:**</u> https://classroom.thenational.academy/lessons/subtracting-using-the-column-method-6mr38r?step=2&activity=video	<u>**Learn the strategy:**</u> https://classroom.thenational.academy/lessons/subtracting-using-the-column-method-when-multiple-columns-require-regrouping-6xh34c?step=2&activity=video		<u>**Learn the strategy:**</u> **Complete the online lesson:** https://classroom.thenational.academy/lessons/subtracting-from-multiples-of-1000-64rkjr	<u>**Learn the strategy:**</u> **Complete the online lesson:** https://classroom.thenational.academy/lessons/applying-and-consolidating-column-method-for-addition-and-subtraction-cgvpcc	
8 Chapter 2: Addition and subtraction			**Chapter 3: Multiplication and Division**		
Lesson 14: Subtracting Using **Mental Strategies** To subtract using mental strategies.	Lesson 15: Solving Word **Problems** To solve add and subtraction word problems.	Lesson 16: Solving Word **Problems** To solve word problems (add & subtract).	Lesson 1: Multiplying by 6 To multiply by 6.	Lesson 2: Multiplying by 7 To multiply by 7.	Lesson 3 and 4: **COMBINED LESSON Multiplying by 9** To multiply by 9
<u>**Learn the strategy: (from 13 minutes and 20 seconds)**</u> https://classroom.thenational.academy/lessons/applying-mental-calculation-strategies-to-adding-and-subtracting-decimals-cgr3ce?step=2&activity=video	<u>**Learn the strategy:**</u> https://classroom.thenational.academy/lessons/solving-two-step-word-problems-69k3gr?step=2&activity=video	<u>**Learn the strategy: (up to 6 minutes and 45 seconds)**</u> https://classroom.thenational.academy/lessons/applying-and-consolidating-word-problems-and-bar-models-70rkcc?step=2&activity=video	<u>**Learn the strategy:**</u> https://classroom.thenational.academy/lessons/use-known-multiplication-facts-to-derive-our-6-times-table-6cup4e?step=2&activity=video	<u>**Learn the strategy:**</u> https://classroom.thenational.academy/lessons/representing-the-seven-times-table-ctk30t?step=2&activity=video	<u>**Learn the strategy:**</u> https://classroom.thenational.academy/lessons/the-nine-times-table-cgwk8e?step=2&activity=video

9 Chapter 3: Multiplication and Division

Lesson 5 and 6: COMBINED LESSON Multiplying by 11 To multiply by 11.	Lesson 7: Multiplying by 12 To multiply by 12.	Lesson 8: Dividing by 6 To divide by 6.	Lesson 9: Dividing by 7 To divide by 7.	Lesson 10: Dividing by 9 To divide by 9.	Lesson 11: Multiply & Divide by 11 & 12 To multiply & divide by 11 and 12
Learn the strategy:(from 4 minutes and 40seconds) https://www.khanacademy.org/math/arithmetic-home/multiply-divide/mult-facts/v/multiplication-3-10-11-12-times-tables	**Learn the strategy:** https://classroom.thenational.academy/lessons/commutativity-between-multiplication-and-division-61gk4e?step=1&activity=video				

10 Chapter 3: Multiplication and Division | | | | **Chapter 4** |

Lesson 12: Dividing with Remainder To divide with remainders.	Lesson 13: Solving Word Problems To solve word problems involving multiplication and division.	Lesson 14: Solving Word Problems Solve problems involving multiplication and division.	Lesson 15: Solving Word Problems Solve multi-step problems (in the context of measures).	Lesson 18: Solving Word Problems Solve problems involving scaling & comparison x & ÷	Lesson 1: Multiplying by 0 & 1 To multiply by 0 & 1.
Learn the strategy: https://www.khanacademy.org/math/arithmetic/arith-review-multiply-divide/arith-review-remainders/v/introduction-to-remainders	**Learn the strategy:** https://classroom.thenational.academy/lessons/using-bar-models-to-represent-known-times-tables-6tj62e?step=2&activity=video			**Learn the strategy:** https://classroom.thenational.academy/lessons/solve-problems-involving-the-relative-size-of-two-quantities-part-2-61k68d?step=2&activity=video	**Learn the strategy: (from 9 minutes and 54 seconds)** https://www.khanacademy.org/math/arithmetic-home/multiply-divide/mult-intro/v/basic-multiplication

11 Chapter 4: Further Multiplication and Division

Lesson 2: Dividing by 1 To divide by 1.	Lesson 3: Multiplying the Same Two Numbers To understand commutativity.	Lesson 4: Multiplying Three Numbers To multiply three numbers.	Lesson 5: Multiplying Multiples of 10 To multiply with multiples of 10.	Lesson 6: Multiplying 2-Digit Numbers To multiply 2-digit numbers.	Recap year 3 Book 3A, Ch: 4 Lesson5 : Multiplying with Regrouping
Learn the strategy: Recap multiplication and division strategies, if needed: https://classroom.thenational.academy/lessons/deriving-new-facts-from-multiplication-facts-64w68c?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/exploring-commutativity-in-multiplication-68tp6r?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/solving-three-1-digit-multiplication-equations-60rkat?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/multiplying-numbers-by-10-and-100-6tgpac?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/using-arrays-to-multiply-a-2-digit-number-by-a-1-digit-number-cctk4c?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/using-dienes-to-multiply-a-2-digit-number-by-a-1-digit-number-c5hk6c?step=2&activity=video

12 Chapter 4: Further Multiplication and Division

Lesson 7: Multiplying 2-Digit Numbers To multiply 2-digit numbers with renaming.	Additional lesson (if needed) **Embed multiplication of 2-digit numbers with renaming**	Lesson 8: Multiplying Multiples of 100 To multiply multiples of 100.	Lesson 9: Multiplying 3-Digit Numbers To multiply 3-digit numbers.	Lesson 10: Multiplying 3-Digit Numbers _over 2 days if needed*_ To multiply 3-digit numbers (renaming).	Lesson 10: Multiplying 3-Digit Numbers _over 2 days if needed*_ To multiply 3-digit numbers (renaming). _* Or use this day to embed 3-digit multiplication with renaming._
Learn the strategy: https://www.khanacademy.org/math/arithmetic-home/multiply-divide/mult-digit-div-2/v/division-2	**Learn the strategy: Complete the online lesson:** https://classroom.thenational.academy/lessons/using-arrays-to-multiply-a-2-digit-number-by-a-1-digit-number-cctk4c	**Learn the strategy:** https://classroom.thenational.academy/lessons/multiplying-and-dividing-by-100-71k66e?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/multiplying-3-digit-numbers-by-1-digit-numbers-60t6ae?step=2&activity=video		

13 Chapter 4: Further Multiplication and Division					
Lesson 11: Multiplying 3-Digit Numbers To multiply 3-digit numbers.	**Recap year 3** **Book 3A** **Ch.4: Lesson 6: Simple Dividing** To be able to divide a 2-digit number by a 1-digit number without regrouping.	**Recap year 3** **Book 3A** **Book 3A** **Ch.4: Lesson 7:** Dividing with Regrouping	**Recap year 3** **Book 3A** **Book 3A** **Ch.4: Lesson 8:** Dividing with Regrouping	**Lesson 12: Dividing 2-Digit Numbers** To divide 2-digit numbers.	**Lesson 13: Dividing 3-Digit Numbers** To divide 3-digit numbers.
Learn the strategy: https://classroom.thenational.academy/lessons/multiplying-3-digit-numbers-by-1-digit-numbers-6ctkjd?step=2&activity=video	Recap understanding division: **https://vimeo.com/436373894/aba51f0862** **Learn the strategy:** https://classroom.thenational.academy/lessons/dividing-by-a-one-digit-number-no-regrouping-c5jkar?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/dividing-using-knowledge-of-multiples-cmt3ed?step=2&activity=video	**Learn the strategy:** https://vimeo.com/435652362/0244feed87		**Learn the strategy:** https://vimeo.com/436377697/8c8334dd99
14 Time available for catch of Autumn term learning					