

Year 4 home learning overview

1 Autumn term Chapter 1: Numbers to 10 000					
Recap year 3 <u>Book 3A, Ch.1,</u> Lesson 4: Comparing and Ordering Numbers	Recap year 3 <u>Book 3A, Ch.1,</u> Lesson 5: Counting in multiples of 50	Lesson 1: Counting in Hundreds and Twenty-Fives	Lesson 2: Counting in Thousands	Lesson 3: Counting in Thousands, Hundreds, Tens and Ones	Lesson 4: Using Place Value
2 Chapter 1: Numbers to 10 000					
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	Lesson 10: Counting in Sixes, Sevens and Nines
3 Chapter 1: Numbers to 10 000					
Additional lesson to embed rounding	Additional lesson to embed rounding	Lesson 11: Rounding Numbers	Lesson 12: Rounding Numbers	Lesson 13 : Rounding Numbers to Estimate	Lesson 14 : Rounding Numbers to Estimate
4 Chapter 1: Numbers to 10 000			Chapter 2: Addition and subtraction		
To understand negative numbers. (Mind Workout from Ch.1)	To understand negative numbers. (Mind Workout from Ch.1)	Review: Chapter 1: Numbers to 10 000	Recap year 3 <u>Book 3A, Ch. 2 Lesson 10:</u> Adding with Renaming	Lesson 1: Finding Sums	Lesson 2: Adding without Renaming
5 Chapter 2: Addition and subtraction					
Lesson 3: Adding with Renaming	Lesson 4: Adding with Renaming	Lesson 5: Adding with Renaming	Lesson 6: Adding Using Mental Strategies	Lesson 7: Adding Using Mental Strategies	Recap year 3 <u>Book 3A, Ch. 2 Lesson 16:</u> Subtracting with Renaming
6 Chapter 2: Addition and subtraction					
Lesson 8: Finding Differences	Lesson 9: Subtracting without Renaming	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</u>
Learn the strategy: https://classroom.thenational.academy/lessons/subtracting-two-3-digit-numbers-without-regrouping-60r3cc?step=2&activity=video		Learn the strategy: https://classroom.thenational.academy/lessons/subtracting-using-the-column-method-6mr38r?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/subtracting-using-the-column-method-when-multiple-columns-require-regrouping-6xh34c?step=2&activity=video		Learn the strategy: Complete the online lesson: https://classroom.thenational.academy/lessons/subtracting-from-multiples-of-1000-64rkjr
7 Chapter 2: Addition and subtraction					
Additional lesson Embed Subtraction with renaming <u>as needed</u>	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).	REVIEW: Chapter 2: Addition and subtraction	Catch up time
Complete the online lesson: https://classroom.thenational.academy/lessons/applying-and-consolidating-column-method-for-addition-and-subtraction-cgvpc	Learn the strategy: (from 13 minutes and 20 seconds) https://classroom.thenational.academy/lessons/applying-mental-calculation-strategies-to-adding-and-subtracting-decimals-cgr3ce?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/solving-two-step-word-problems-69k3gr?step=2&activity=video	Learn the strategy: (up to 6 minutes and 45 seconds) https://classroom.thenational.academy/lessons/applying-and-consolidating-word-problems-and-bar-models-70rkcc?step=2&activity=video	Complete the end of chapter review in the workbook.	Complete any unfinished or missed worksheets from this half term.
Break for half term					

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8 Chapter 3: Multiplication and Division					
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	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.
Learn the strategy: https://classroom.thenational.academy/lessons/use-known-multiplication-facts-to-derive-our-6-times-table-6cup4e?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/representing-the-seven-times-table-ctk30t?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/the-nine-times-table-cgwk8e?step=2&activity=video	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
9 Chapter 3: Multiplication and Division					
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	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.
Learn the strategy: https://classroom.thenational.academy/lessons/commutativity-between-multiplication-and-division-61gk4e?step=1&activity=video			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-61j62e?step=2&activity=video	
10 Chapter 3: Multiplication and Division					
Catch up time for lessons 13 and 14	Additional lesson: Problem solving, choosing operations To explore a multi-step problem and decide which operation will solve each step; addition, subtraction, multiplication or division.	Additional lesson: Problem solving, using all four operations To solve a multi-step problem using all four operations; addition, subtraction, 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 \times & \div	REVIEW: Chapter 3: Multiplication and division
Complete the worksheets for lessons 13 and 14. Check that your bar models relate to the known information in the word problem.	Complete the online lesson: https://classroom.thenational.academy/lessons/problem-solving-choosing-operations-71h66t	Complete the online lesson: https://classroom.thenational.academy/lessons/problem-solving-using-all-four-operations-69k32d	Learn the strategy: https://classroom.thenational.academy/lessons/using-bar-models-to-represent-known-times-tables-61j62e?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	Complete the end of chapter review in the workbook.
11 Chapter 4: Further Multiplication and Division					
Lesson 1: Multiplying by 0 & 1 To multiply by 0 & 1.	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.
Learn the strategy: (from 9 minutes and 54 seconds) https://www.khanacademy.org/math/arithmetic-home/multiply-divide/mult-intro/v/basic-multiplication	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-100-61gpac?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

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12 Chapter 4: Further Multiplication and Division					
Recap year 3 Book 3A, Ch: 4 Lesson5 : Multiplying with Regrouping	Lesson 7: Multiplying 2-Digit Numbers To multiply 2-digit numbers with renaming.	Additional lesson: 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 To multiply 3-digit numbers (renaming).
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	Learn the strategy: https://www.khanacademy.org/math/arithmetic-home/multiply-divide/mult-digit-div-2/v/division-2	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: (use the multiplication methods for year 4 on the Q1E website) https://www.q1e.co.uk/learning/year-4-maths-videos-for-parents Or use: 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 10: Multiplying 3-Digit Numbers over 2 days To multiply 3-digit numbers (renaming).	Lesson 11: Multiplying 3-Digit Numbers over 2 days To multiply 3-digit numbers.	Lesson 11: Multiplying 3-Digit Numbers over 2 days	Recap year 3 Book 3A Ch.4: Lesson 7: Dividing with Regrouping	Recap year 3 Book 3A Ch.4: Lesson 8: Dividing with Regrouping	Lesson 12: Dividing 2-Digit Numbers To divide 2-digit numbers.
Learn the strategy: (use the multiplication methods for year 4 on the Q1E website) https://www.q1e.co.uk/learning/year-4-maths-videos-for-parents Or use: https://classroom.thenational.academy/lessons/multiplying-3-digit-numbers-by-1-digit-numbers-60t6ae?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/multiplying-3-digit-numbers-by-1-digit-numbers-6ctkj?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	
14 Chapter 4: Further Multiplication and Division					
Lesson 13: Dividing 3-Digit Numbers over 2 days To divide 3-digit numbers.	Lesson 13: Dividing 3-Digit Numbers over 2 days	Lesson 14: Dividing 2-digit numbers with remainders over 2 days To divide 2-digit numbers	Lesson 14: Dividing 2-digit numbers with remainders over 2 days	REVIEW: Chapter 4: Further multiplication and division	Catch up time
Learn the strategy: https://vimeo.com/436377697/8c8334dd99		Learn a strategy: https://classroom.thenational.academy/lessons/short-division-part-1-6qr6ar?step=2&activity=video And: https://classroom.thenational.academy/lessons/short-division-part-2-6nk66c?step=2&activity=video		Complete the end of chapter review in the workbook.	Complete any unfinished or missed worksheets from this half term.
Break for Christmas holiday					