

Year 3 home learning overview 2020-21

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| 1 Autumn term 2020 | | | | | |
| Recap year 2 Book 2A, Ch.1, Lesson 2: Place Value | Recap year 2 Book 2A, Ch.1, Lesson 3: Comparing Numbers | Recap year 2 Book 2A, Ch.1, Lesson 4: Number Bonds | Chapter 1: Numbers to 1000 | | |
| | | | Lesson 1: Counting in Hundreds | Lesson 2: Counting in Hundreds, Tens and Ones | Lesson 3: Place Value |
| 2 Chapter 1: Numbers to 1000 | | | | | |
| Lesson 4: Comparing and Ordering Numbers (over 2 days) | Lesson 4: Comparing and Ordering Numbers (over 2 days) | Lesson 5: Counting in Fifties | Lesson 6: Number Patterns | Lesson 7: Number Patterns | Lesson 8: Counting in Fours and Eights (over 2 days) |
| 3 Chapter 1 | | Recap year 2 Book 2A, Lesson 4: Simple Adding | Recap year 2 Book 2A, Lesson 5: Adding with renaming | Recap year 2 Book 2A, Lesson 8: Simple subtraction | Recap year 2 Book 2A, Lesson 11: Subtracting with Renaming |
| Lesson 8: Counting in Fours and Eights (over 2 days) | | Assessment Year 2 summer MNP assessment | | | |
| 4 Chapter 2: Addition and Subtraction | | | | | |
| Lesson 1: Addition and Subtraction Facts | Lesson 2: Simple Adding | Lesson 3: Simple Adding | Lesson 4: Simple Adding | Lesson 5: Simple Adding | Lesson 6: Adding with Renaming |
| 5 Chapter 2: Addition and Subtraction | | | | | |
| Lesson 7: Adding with Renaming | Lesson 8: Adding with Renaming | Lesson 9: Adding with Renaming | Lesson 10: Adding with Renaming | Lesson 11: Simple Subtracting | Lesson 12: Simple Subtracting |
| 6 Chapter 2: Addition and Subtraction | | | | | |
| Lesson 13: Simple Subtracting | Lesson 14: Simple Subtracting | Lesson 15: Simple Subtracting | Lesson 16: Subtracting with Renaming | Lesson 17: Subtracting with Renaming | Lesson 18: Subtracting with Renaming (over 2 days) |
| 7 Chapter 2: Addition and Subtraction | | Additional lesson to embed addition and subtraction | | | |
| Lesson 18: Subtracting with Renaming (over 2 days) To subtract with regrouping tens and hundreds. | Lesson 19: Subtracting with Renaming To subtract a 3-digit number with zeros. | | | Lesson 20: Using Models To solve addition and subtraction problems using the bar model. | Lesson 21: Using Models To use the bar model to solve problems. |
| | | | | Lesson 22: Using Models To solve complicated add & subtract problems using comparative bar model heuristic. | |
| Learn the strategy: https://classroom.thenational.academy/lessons/subtracting-3-digit-numbers-regrouping-in-multiple-columns-74rkce?step=2&activity=video And: https://classroom.thenational.academy/lessons/subtracting-3-digit-numbers-regrouping-hundreds-to-tens-c9h66f?step=2&activity=video | | Learn the strategy: Complete the online lesson: https://classroom.thenational.academy/lessons/subtracting-3-digit-numbers-regrouping-in-multiple-columns-74rkce | | Learn the strategy: https://classroom.thenational.academy/lessons/solving-addition-and-subtraction-word-problems-6mw3ct?step=2&activity=video | |
| 8 Ch. 2: Add & subtract | | Chapter 3: Multiplication and Division | | | |
| Lesson 23: Using Models To solve more complicated problems involving add & and subtract using comparative bar model heuristic. | Lesson 1: Multiplying by 3 To multiply by 3. | Lesson 2: Multiplying by 3 To multiply by 3 using relational properties. | Lesson 3: Multiplying by 4 To multiply by 4.(Make links with x2 multiplication tables for children) | Lesson 4: Multiplying by 4 To multiply by 4. | Lesson 5: Multiplying by 4 and 8 To multiply by 4 and 8. |
| Learn the strategy: https://classroom.thenational.academy/lessons/solving-word-problems-with-unknown-values-cgtpcd?step=2&activity=video | Learn the strategy: https://classroom.thenational.academy/lessons/recalling-the-3-times-table-c8tp4d?step=1&activity=video | Learn the strategy: https://classroom.thenational.academy/lessons/using-doubles-to-multiply-cdjkr?step=1&activity=video | Learn the strategy: https://classroom.thenational.academy/lessons/recalling-the-4-times-table-cmt64e?step=2&activity=video | | Learn the strategy: https://classroom.thenational.academy/lessons/use-known-multiplication-facts-to-derive-our-8-times-table-6xqk0c?step=2&activity=video Recap here: https://classroom.thenational.academy/lessons/using-factors-and-products-to-solve-division-problems-cmtp4e?step=2&activity=video |

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| 9 Chapter 3: Multiplication and Division | | | | | |
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| Lesson 6: Multiplying by 8 To multiply by 8; to use commutative law to multiply. | Lesson 7: Multiplying by 8 To multiply by 8. | Lesson 8: Dividing by 3 To divide by 3. | Lesson 9: Dividing by 4 To divide by 4. | Lesson 10: Multiplying and Dividing To find relationships between multiplication and division. | Lesson 11: Dividing by 4 and 8 To divide by 4 and 8. |
| Learn the strategy: Check the videos from yesterday if you are unsure. https://classroom.thenational.academy/lessons/use-known-multiplication-facts-to-derive-our-8-times-table-6xgk0c?step=2&activity=video https://classroom.thenational.academy/lessons/using-factors-and-products-to-solve-division-problems-cmtp4e?step=2&activity=video | | Learn the strategy: https://classroom.thenational.academy/lessons/to-know-division-facts-for-the-3x-table-cr30c?step=2&activity=video | | Learn the strategy: https://classroom.thenational.academy/lessons/to-know-division-facts-for-the-4x-table-6wrk4d?step=2&activity=video | |
| 10 Chapter 3: Multiplication and Division | | | Chapter 4: Further Multiplication and Division | | |
| Lesson 12: Solving Word Problems To solve word problems with multiplication. | Lesson 13: Solving Word Problems To solve word problems involving division. | Lesson 14: Solving Word Problems To solve division & multiplication word problems using the bar model heuristic. | Lesson 1: Multiplying 2-Digit Numbers To multiply multiples of 10 by a 1-digit number. | Lesson 2: Multiplying 2-Digit Numbers To multiply any 2-digit number by a 1-digit number. | Lesson 3: Multiplying 2-Digit Numbers To multiply more 2-digit numbers. |
| Learn the strategy: https://classroom.thenational.academy/lessons/matching-multiplication-expressions-to-images-and-contexts-64v3cd?step=1&activity=video | Learn the strategy: https://classroom.thenational.academy/lessons/using-bar-models-to-represent-word-problems-70r30c?step=2&activity=video | | Learn the strategy: https://www.khanacademy.org/math/cc-third-grade-math/imp-multiplication-and-division/imp-multiplying-by-tens/v/multiplying-by-multiples-of-10 | Learn the strategy: https://vimeo.com/431758029/7fce9j34f?step=2&activity=video | Learn the strategy: https://www.khanacademy.org/math/arithmetic/arith-review-multiply-divide/arith-review-multi-digit-mult/v/2-digit-times-1-digit-example-no-carrying |
| 11 Chapter 4: Further Multiply & Divide | | | | | |
| Lesson 4: Multiplying 2-Digit Numbers over 2 days To multiply with regrouping. | Lesson 4: Multiplying 2-Digit Numbers over 2 days To multiply with regrouping. <i>Use lesson 5 as deepening if appropriate to class</i> | Additional lesson (if needed) Embed multiplication | Lesson 6: Simple Dividing To understand simple division of a 2-digit number by a 1-digit number. | Lesson 7: Dividing with Regrouping To divide where there is a need to regroup. | Lesson 8: Dividing with Regrouping over 2 days To use long division to divide. |
| Learn the strategy: 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: Complete the online lesson: https://classroom.thenational.academy/lessons/using-dienes-to-multiply-a-2-digit-number-by-a-1-digit-number-c5hk6c | Learn the strategy: https://vimeo.com/431767621/54283dc9a7 | Learn the strategy: https://vimeo.com/434656077/f90610feec | Learn the strategy: https://www.khanacademy.org/math/arithmetic-home/multiply-divide/mult-digit-div-2/v/division-2 |

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| 12 Chapter 4: Further Multiplication and Division | | | | | Chapter 4: Length |
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| Lesson 8: Dividing with Regrouping over 2 days To use long division to divide. | Additional lesson (if needed) Embed division – revisit your working for lesson 6, 7 and 8. Compare the methods. | Lesson 9: Solving Word Problems To solve word problems involving multiplication. | Lesson 10: Solving Word Problems To solve word problems involving division. | Recap multiplying and dividing by 10 and 100 using place value charts (no decimals) <i>Remind: how many mm in cm (cm is 10 times bigger/ greater than a mm and vice versa), cm in m (m is 100 times greater than cm and vice versa) and m in km (km is 1000 greater than m and vice versa) etc</i> | Lesson 1: Writing Length in Metres and Centimetres To use metres and centimetres to measure objects. |
| Learn the strategy: (up to 4 minutes and 35 seconds) https://www.khanacademy.org/math/arithmetic-home/multiply-divide/mult-digit-div-2/v/division-2 | Learn the strategy: https://vimeo.com/431767621/54283dc9a7 https://vimeo.com/434656077/f90610feec https://www.khanacademy.org/math/arithmetic-home/multiply-divide/mult-digit-div-2/v/division-2 | Learn the strategy: https://vimeo.com/434659605/8cef281bb | Learn the strategy: https://vimeo.com/434673792/ca5f846077 | Learn the strategy: (from 5 minutes and 38 seconds to 19 minutes and 4 seconds – no need to multiply or divide by 1000) https://teachers.thenational.academy/lessons/multiplying-and-dividing-by-10-100-1000-64t68e | Learn the strategy: (up to 6 minutes and 13 seconds) https://classroom.thenational.academy/lessons/convert-between-units-of-length-cgr32e?step=2&activity=video |
| 13 Chapter 4: Length | | | | | |
| Lesson 2: Writing Length in Centimetres To write length in centimetres only by converting metres to centimetres. | Lesson 3: Writing Length in Metres To convert kilometres to metres. | Lesson 4: Writing Length in Kilometres and Metres To convert length from metres to kilometres and metres. | Lesson 5: Comparing Length To compare two lengths. | Lesson 6 and 7: Solving Word Problems COMBINED LESSONS To solve measurement-related word problems. | Lesson 8 and 9: Solving Word Problems COMBINED LESSONS To solve word problems further, involving multiplication and division. |
| Learn the strategy: https://classroom.thenational.academy/lessons/convert-between-metric-units-of-length-6cu3cc?step=2&activity=video | | Learn the strategy: (from 6 minutes and 13 seconds) https://classroom.thenational.academy/lessons/convert-between-units-of-length-cgr32e?step=2&activity=video | Learn the strategy: (from 2 minutes and 15 seconds) https://classroom.thenational.academy/lessons/convert-between-metric-units-of-length-6cu3cc?step=2&activity=video | Learn the strategy: Reminder of formal methods: Addition and subtraction: https://classroom.thenational.academy/lessons/solving-addition-and-subtraction-word-problems-6mw3ct?step=2&activity=video | Learn the strategy: Reminder of formal methods: Multiplication: https://vimeo.com/431758029/7fce98149a Division: (up to 4 minutes and 35 seconds) https://www.khanacademy.org/math/arithmetic-home/multiply-divide/mult-digit-div-2/v/division-2 |
| 14 Time available for catch of Autumn term learning | | | | | |