

Year 3 spring home learning overview 2020-21



1 Spring term 1 2020-21					
INSET day	Chapter 5: Length				Chapter 6: Mass
	Lesson 6 and 7: Solving Word Problems COMBINED LESSONS To solve measurement-related word problems.	Consolidate multiplication and division	Lesson 8: Solving Word Problems To solve word problems further, involving multiplication.	Lesson 9: Solving Word Problems To solve word problems associated with length using division.	Lesson 1: Reading Weighing Scales To measure mass using weighing scales and compare mass of objects using g & kg..
	Learn the strategy: Addition: https://classroom.thenational.academy/lessons/adding-two-3-digit-numbers-regrouping-in-multiple-columns-74u3ce Subtraction: https://classroom.thenational.academy/lessons/subtracting-3-digit-numbers-regrouping-in-multiple-columns-74rkce Or: (up to 5 minutes and 5 seconds) https://vimeo.com/434627490/1c946c18c9	Learn the strategy: Reminder of formal methods: Multiplication: https://vimeo.com/431758029/7fce98149a Or: https://vimeo.com/431761006/9c541b822b Division: (up to 4 minutes and 35 seconds) https://www.khanacademy.org/math/arithmetic-home/multiply-divide/mult-digit-div-2/v/division-2 Or: https://vimeo.com/434656077/f90610feec	Learn the strategy: Reminder of formal methods: Multiplication: https://vimeo.com/431758029/7fce98149a Or: https://vimeo.com/431761006/9c541b822b Division: https://vimeo.com/434656077/f90610feec	Learn the strategy: Intro: https://www.khanacademy.org/math/cc-third-grade-math/imp-measurement-and-data/imp-mass/v/intuition-for-grams Reading mass: https://classroom.thenational.academy/lessons/grams-and-interpreting-scales-75j3gt?step=2&activity=video	
2 Chapter 6: Mass					
Lesson 2: Reading Weighing Scales To use weighing scales to measure mass - the mass is between multiples of 100 g.	Lesson 3: Reading Weighing Scales To read values on a scale which are 1 kg or more.	Lesson 4: Reading Weighing Scales To weigh heavier items where the markers on the scales represent 200 g each.	Consolidate formal addition and subtraction	Lesson 5: Solving Word Problems To solve word problems relating to mass with addition and subtraction.	Consolidate multiplication and division
Learn the strategy: (from yesterday) https://classroom.thenational.academy/lessons/grams-and-interpreting-scales-75j3gt?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/weighing-and-comparing-masses-in-mixed-units-c8tpcd?step=2&activity=video	Learn the strategy: (8 minutes and 48 seconds) https://classroom.thenational.academy/lessons/reading-weighing-scales-with-different-intervals-c4rk6c?step=1&activity=video	Learn the strategy: Addition: https://classroom.thenational.academy/lessons/adding-two-3-digit-numbers-regrouping-in-multiple-columns-74u3ce Subtraction: https://classroom.thenational.academy/lessons/subtracting-3-digit-numbers-regrouping-in-multiple-columns-74rkce Or: (up to 5 minutes and 5 seconds) https://vimeo.com/434627490/1c946c18c9	Learn the strategy: Multiplication: https://vimeo.com/434659605/8cef b281bb Division: https://vimeo.com/434656077/f90610feec	
3 Chapter 6: Mass					
Lesson 6: Solving Word Problems To solve word problems relating to mass using multiplication.	Lesson 7: Solving Word Problems To solve word problems relating to mass using division.	MNP Year 3 mid-year revision 3A assessment	MNP Year 3 mid-year revision 3A assessment	Chapter 7: Volume	
Learn the strategy: https://vimeo.com/434659605/8cef b281bb	Learn the strategy: https://vimeo.com/434656077/f90610feec Or use this method: https://vimeo.com/497723397	Complete workbook 3A mid-year revision section A and part of section B, questions 1-28.	Complete workbook 3A mid-year revision reminder of section B and section C, questions 29-45.	Lesson 1: Measuring Volume in Millilitres To measure volume in millilitres.	Lesson 2: Measuring Capacity in Millilitres To measure capacity in millilitres.
				Learn the strategy: Introduction to volume and capacity: https://classroom.thenational.academy/lessons/estimating-and-measuring-in-litres-70v3at?step=2&activity=video (up to 3 minutes 55 seconds) https://classroom.thenational.academy/lessons/comparing-millilitres-and-litres-using-fractions-cdk32a?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/measuring-using-millilitres-6mvkec?step=2&activity=video

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4 Chapter 7: Volume					
Lesson 3: Measuring Volume in Millilitres and Litres To measure volume using millilitres and litres.	Lesson 4: Measuring Capacity in Millilitres and Litres To measure volume in millilitres & litres from a 'homemade' bottle with markings.	Lesson 5: Writing Volume in Litres and Millilitres To measure volume using millilitres and litres in comparison to 1 l.	Lesson 6: Writing Capacity in Litres and Millilitres To measure larger capacity in litres and millilitres.	Multiplication using partitioning methods	Lesson 7: Solving Word Problems To solve basic word problems related to volume.
Learn the strategy: (up to 5 minutes and 44 seconds) https://classroom.thenational.academy/lessons/measuring-volume-cmwkcd?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/measuring-and-comparing-capacities-in-mixed-units-65gk2d?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/solving-word-problems-about-capacity-and-volume-part-1-6rtk0c?step=2&activity=video	Learn the strategy: (from 5 minutes and 9 seconds) https://classroom.thenational.academy/lessons/consolidating-and-reviewing-learning-on-capacity-and-volume-cdhp2r?step=2&activity=video	Complete the online lesson: https://classroom.thenational.academy/lessons/multiply-2-digit-numbers-by-8-using-the-partitioning-method-6nj3at	Learn the strategy: https://classroom.thenational.academy/lessons/solving-word-problems-about-capacity-and-volume-part-2-75gkac?step=2&activity=video
5 Chapter 7: Volume			Chapter 8: Money		
Lesson 8: Solving Word Problems To solve more word problems.	Lesson 9: Solving Word Problems To solve word problems through division. <i>Deepening: Lesson 10 – Solving Word Problems</i>	Lesson 1: Naming Amounts of Money To consolidate previous learning about denominations of both notes & coins; to use simple addition to count amounts of money.	Lesson 2: Naming Amounts of Money To name amounts of money including coins adding to more than 100p; to regroup and rename 100p as £1 as a key strategy.	Lesson 3 : Showing Amounts of Money To find multiple ways of showing an amount of money.	Lesson 4 : Adding Money To add money by adding together the pounds and pence separately.
Learn the strategy: up to 5 minutes and 51 seconds) https://classroom.thenational.academy/lessons/solving-problems-using-measures-69j32f?step=2&activity=video	Learn the strategy: (use the same strategies for problem solving with mass, length and capacity) https://classroom.thenational.academy/lessons/drawing-bar-models-to-represent-multiplication-and-division-word-problems-cct3gc?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/to-recognise-the-value-of-different-coins-and-notes-65j64e?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/counting-money-in-a-set-of-coins-65h32d?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/using-the-fewest-amount-of-coins-and-notes-71k64c?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/adding-money-in-different-ways-60w3jt?step=2&activity=video
6 Chapter 8: Money					
Lesson 5: Adding Money To add amounts of money together using different methods; to consolidate the addition of pounds and pence separately.	Lesson 6: Adding Money To consolidate 'making a pound' as a strategy for adding amounts of money where the coins equal more than 99p.	Lesson 7: Adding Money To learn the 'make a pound' strategy with number bond diagrams; to consolidate the strategies associated with the addition of money.	Lesson 8: Subtracting Money To use multiple methods for subtracting amounts of money, including concrete materials and the column method.	Lesson 9 : Subtracting Money To use visual comparison to subtract amounts of money; to consolidate column subtraction where there is no regrouping of pence required.	Catch up time
Learn the strategy: Column addition reminder: https://www.khanacademy.org/math/cc-2nd-grade-math/cc-2nd-add-subtract-100/cc-2nd-add-100/v/addition-with-regrouping Number bond method: (up to 4 minutes and 43 seconds) https://classroom.thenational.academy/lessons/applying-number-bonds-within-twenty-to-add-and-subtract-c8v32f?step=2&activity=video	Learn the strategy: Coins and notes reminder: (up to 10 minutes and 14 seconds) https://classroom.thenational.academy/lessons/coins-and-notes-6wup4f?step=2&activity=video Column addition reminder: https://www.khanacademy.org/math/cc-2nd-grade-math/cc-2nd-add-subtract-100/cc-2nd-add-100/v/addition-with-regrouping	Learn the strategy: https://classroom.thenational.academy/lessons/giving-change-cct3gc?step=2&activity=video	Learn the strategy: Column subtraction reminder: https://www.khanacademy.org/math/early-math/cc-early-math-add-sub-100/cc-early-math-sub-two-dig-intro/v/subtracting-2-digit-numbers-without-regrouping Number bond method: (from 4 minutes and 44 seconds) https://classroom.thenational.academy/lessons/applying-number-bonds-within-twenty-to-add-and-subtract-c8v32f?step=2&activity=video		
Half term break					

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Spring term 2 2020-21					
7 Chapter 8: Money		Chapter 9: Time			
Lesson 12: Calculating Change To learn the 'counting on' strategy for calculating change; to consolidate the number bonds strategy for calculating change.	Recap year 2: Ch. 14, Lesson 1: Telling and Writing Time to 5 Minutes To tell and write the time to 5-minute intervals.	Recap year 2: Ch. 14, Lesson 2, Telling and Writing Time To tell time to 5-minute intervals and to the hour.	Lesson 1: Telling the Time To use the terms 'a.m.' and 'p.m.' correctly to identify morning or afternoon/evening.	Lesson 2: Telling the Time To learn to tell time to the minute; to understand the relationship between the minute hand and hour hand.	Lesson 3: Telling the Time To consolidate and apply a variety of vocabulary used to express the time.
Learn the strategy: https://classroom.thenational.academy/lessons/using-an-adding-on-strategy-to-find-the-difference-c8vk6d?step=2&activity=video	Learn the strategy: https://vimeo.com/410295983/0d450b972a	Learn the strategy: https://vimeo.com/410588768/87d445d397	Learn the strategy: https://classroom.thenational.academy/lessons/telling-the-time-to-am-and-pm-68w3cd?step=1&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/understanding-that-clocks-have-more-than-one-scale-64wpae?step=1&activity=video	Learn the strategy: (up to 10 minutes and 3 seconds) https://classroom.thenational.academy/lessons/reading-and-ordering-time-presented-in-different-ways-64uk8c?step=1&activity=video
8 Chapter 9: Time					
Lesson 4: Telling the Time To compare analogue and digital time; to represent time using both analogue and digital methods.	Lesson 5: Telling the Time To tell time before the hour using the hour and minute hands.	Lesson 6: Telling the Time To learn to tell time using 24-hour notation; to use analogue time and 24-hour notation interchangeably.	Lesson 7: Telling the Time To tell the time on an analogue clock using Roman numerals.	Lesson 9 : Measuring Time in Seconds To measure time in seconds using a stopwatch; to consolidate previous learning about seconds.	Lesson 10: Measuring Time in Seconds To consolidate measuring time in seconds; to conduct a time experiment using seconds.
Learn the strategy: Analogue clock: https://classroom.thenational.academy/lessons/reading-analogue-time-to-the-nearest-minute-cdqkj?step=2&activity=video Digital clock: https://classroom.thenational.academy/lessons/telling-minutes-past-on-a-digital-clock-cguk2c?step=2&activity=video		Learn the strategy: https://vimeo.com/408880486/61d14eb549	Learn the strategy: (from 3 minutes and 10 seconds to 7 minutes) https://classroom.thenational.academy/lessons/applying-knowledge-of-time-to-solve-problems-ccuk4r?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/measuring-time-in-seconds-74rk2l?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/exploring-units-of-measured-time-cngp4c?step=1&activity=video
9 Chapter 9: Time					
Lesson 11: Measuring Time in Hours To measure time in hours using an analogue clock.	Lesson 12: Measuring Time in Hours To consolidate the measurement of time in hours.	Lesson 13: Measuring Time in Hours To measure time in hours using analogue clocks and timelines; to count backwards in time by the hour.	Lesson 14: Measuring Time in Minutes To measure the passage of time in minutes using an analogue clock and a timeline.	Lesson 15: Measuring Time in Minutes To measure time to the minute when it crosses into the next hour; to use number bonds to calculate the passage of time.	Lesson 16: Measuring Time in Minutes To measure time in minutes, counting backwards to determine the starting point; to use number bonds and timelines to calculate the passage of time.
Learn the strategy: https://vimeo.com/408855864/1bb4f66e2	Learn the strategy: https://classroom.thenational.academy/lessons/calculating-duration-of-time-in-hours-and-minutes-60v36d?step=2&activity=video		Learn the strategy: https://classroom.thenational.academy/lessons/calculating-and-comparing-intervals-of-time-6qw3jc?step=1&activity=video	Learn the strategy:(up to 4 minutes and 17 seconds) https://classroom.thenational.academy/lessons/further-applying-knowledge-of-time-to-solve-problems-ctgkqd?step=1&activity=video	Learn the strategy: (from 4 minutes and 19 seconds to 7 minutes and 9 seconds) https://classroom.thenational.academy/lessons/further-applying-knowledge-of-time-to-solve-problems-ctgkqd?step=1&activity=video

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10 Chapter 9: Time		Chapter 10: Picture Graphs and Bar Graphs			
Lesson 19: Finding Number of Days To calculate the number of days in a month and to learn which months have 31, 30 and 28/29 days.	Lesson 1: Drawing Picture Graphs To construct picture graphs from a set of data; to present data with pictures that represent more than one item.	Lesson 2: Drawing Bar Graphs To construct bar graphs from a set of data; to use proportion to reflect precise difference in quantity.	Lesson 3: Reading Bar Graphs To read and interpret information from a bar graph; to use and understand vocabulary related to bar graphs.	Lesson 4: Reading Bar Graphs To read bar graphs where the scale is not a multiple of all quantities measured.	Lesson 5: Reading Bar Graphs To read bar graphs where the scale is made up of larger increments.
Learn the strategy: (from 1 minute and 9 seconds to 2 minutes and 40 seconds) https://classroom.thenational.academy/lessons/telling-minutes-past-on-a-digital-clock-cguk2c?step=2&activity=video	Introduction to pictograms/picture graphs: https://classroom.thenational.academy/lessons/reading-and-understanding-pictograms-6xj62c?step=1&activity=video Learn the strategy: https://classroom.thenational.academy/lessons/constructing-pictograms-6rw6ar?step=2&activity=video Or: https://vimeo.com/410946328/97faa86596	Learn the strategy: https://vimeo.com/410949271/8c97786816	Learn the strategy: https://classroom.thenational.academy/lessons/reading-and-interpreting-bar-graphs-chhk6c?step=2&activity=video Or: https://vimeo.com/410210106/48511db543	Learn the strategy: (up to 6 minutes and 6 seconds) https://classroom.thenational.academy/lessons/reading-and-interpreting-bar-graphs-chhk6c?step=2&activity=video Or: https://vimeo.com/410211036/dfd0442e85	Learn the strategy: https://vimeo.com/409780655/edfab0f88f
11 Chapter 9: Time		Recap lessons to revise and consolidate			
Recap year 2 fractions: Ch13, L2: Showing Half and Quarter To show and recognise halves and quarters.	Recap year 2 fractions: Ch13, L4: Showing Thirds To show and identify thirds in shapes; to use the vocabulary 'numerator' and 'denominator' when referring to fractions.	Recap year 2 fractions: Ch13, L6: Making Equal Fractions To recognise equivalent fractions in quarters, thirds and halves.			
Learn the strategy: https://vimeo.com/414763603/b282ddb996 Then: https://vimeo.com/414771640/012ade7876	Learn the strategy: https://vimeo.com/415457545/10b937ca71 Then: https://vimeo.com/415455018/baa96d13de	Learn the strategy: https://vimeo.com/417991852/639d0de02b			
12 Recap lessons to revise and consolidate		Easter Break			