

Year 3 spring home learning overview

1 Spring term 1 2021-22					
Bank Holiday	INSET day	ADDITIONAL LESSON: Revisit formal addition and subtraction	ADDITIONAL LESSON: Revisit multiplication and division knowledge In this lesson, we will revisit the use of factors & products to help solve multiplication and division problems, and revise multiplying a number by ten.	ADDITIONAL LESSON: Using ten times greater for known times tables To understand how to solve 'ten times bigger' questions using different visual representations, including number lines, bar models and Deines blocks.	ADDITIONAL LESSON: Revisit multiplication methods
		Complete the online lesson: https://classroom.thenational.academy/lessons/subtracting-3-digit-numbers-regrouping-in-multiple-columns-74rkce	Complete the online lesson: https://classroom.thenational.academy/lessons/consolidating-multiplication-and-division-knowledge-part-2-cdhk0f	Complete the online lesson: https://classroom.thenational.academy/lessons/using-ten-times-greater-for-known-times-tables-c4t68e	Complete the online lesson: https://classroom.thenational.academy/lessons/using-dienes-to-multiply-a-2-digit-number-by-a-1-digit-number-c5hk6c
2 Chapter 4: Further Multiplication & Division			Chapter 5: Length		
Lesson 9: Solving Word Problems To solve word problems involving multiplication.	Lesson 10: Solving Word Problems To solve word problems involving division.	REVIEW: Chapter 4: Further Multiplication & Division	Lesson 1: Writing Length in Metres and Centimetres To use metres and centimetres to measure objects.	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.
Learn the strategy: https://vimeo.com/434659605/8cef5281bb	Learn the strategy: https://vimeo.com/434673792/ca5f846077	Use the strategies we have learnt in this chapter to complete the review . Go back to watch the videos if you are not sure.	Learn the strategy: (up to 6 minutes and 13 seconds) https://classroom.thenational.academy/lessons/converting-between-units-of-length-cgr32e?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/converting-between-metric-units-of-length-6cu3cc?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/converting-between-metric-units-of-length-6cu3cc?step=2&activity=video
3 Chapter 5: Length					
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: Solving Word Problems To solve measurement-related word problems.	Lesson 7: Solving Word Problems To solve measurement-related word problems.	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.
Learn the strategy: (from 6 minutes and 13 seconds) https://classroom.thenational.academy/lessons/converting-between-units-of-length-cgr32e?step=2&activity=video	Learn the strategy: (from 2 minutes and 15 seconds) https://classroom.thenational.academy/lessons/converting-between-metric-units-of-length-6cu3cc?step=2&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: Reminder of formal methods: Multiplication: https://vimeo.com/431758029/7fce98149a Or: https://vimeo.com/431761006/9c541b822b Division: https://vimeo.com/434656077/f90610feec		

Year 3 spring home learning overview



4 Chapter 6: Mass					
REVIEW: Chapter 5: Length Use the strategies we have learnt in this chapter to complete the review. Go back to watch the videos if you are not sure.	Lesson 1: Reading Weighing Scales To measure mass using weighing scales and compare mass of objects using g & kg. 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-75j3qt?step=2&activity=video	Lesson 2: Reading Weighing Scales To use weighing scales to measure mass - the mass is between multiples of 100 g. Learn the strategy: (from yesterday) https://classroom.thenational.academy/lessons/grams-and-interpreting-scales-75j3qt?step=2&activity=video	Lesson 3: Reading Weighing Scales To read values on a scale which are 1 kg or more. Learn the strategy: https://classroom.thenational.academy/lessons/weighing-and-comparing-masses-in-mixed-units-c8tpcd?step=2&activity=video	Lesson 4: Reading Weighing Scales To weigh heavier items where the markers on the scales represent 200 g each. Learn the strategy: (8 minutes and 48 seconds) https://classroom.thenational.academy/lessons/reading-weighing-scales-with-different-intervals-c4rk6c?step=1&activity=video	Lesson 5: Solving Word Problems To solve word problems relating to mass with addition and subtraction. 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
5 Chapter 6: Mass			Chapter 7: Volume		
Lesson 6: Solving Word Problems To solve word problems relating to mass using multiplication. Learn the strategy: https://vimeo.com/434659605/8cef b281bb	Lesson 7: Solving Word Problems To solve word problems relating to mass using division. Learn the strategy: https://vimeo.com/434656077/f90610feec Or use this method: https://vimeo.com/497723397	ADDITIONAL LESSON: Revisit multiplication and division Learn the strategy: Multiplication: https://vimeo.com/434659605/8cef b281bb Division: https://vimeo.com/434656077/f90610feec	REVIEW: Chapter 6: Mass Use the strategies we have learnt in this chapter to complete the review. Go back to watch the videos if you are not sure.	Lesson 1: Measuring Volume in Millilitres To measure volume 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-cdk32d?step=2&activity=video	Lesson 2: Measuring Capacity in Millilitres To measure capacity in millilitres. Learn the strategy: https://classroom.thenational.academy/lessons/measuring-using-millilitres-6mvkcc?step=2&activity=video
6 Chapter 7: Volume				Catch up time	
Lesson 3: Measuring Volume in Millilitres and Litres To measure volume using millilitres and litres.	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.	Lesson 7: Solving Word Problems To solve basic word problems related to volume.	Revisit any worksheets that have not been completed so far from this half term.	Revisit any worksheets that have not been completed so far from this half term.
Learn the strategy: (up to 5 minutes and 44 seconds) https://classroom.thenational.academy/lessons/measuring-volume-cmwked?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/solving-word-problems-about-capacity-and-volume-part-1-6rk0c?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	Learn the strategy: https://classroom.thenational.academy/lessons/solving-word-problems-about-capacity-and-volume-part-2-75qkae?step=2&activity=video		
Half term break					

Year 3 spring home learning overview



7 Spring term 2 Chapter 7: Volume			Chapter 8: Money		
ADDITIONAL LESSON: Revisit using bar models to help problem solving	Lesson 8: Solving Word Problems To solve more word problems.	REVIEW: Chapter 7: Volume	ADDITIONAL COMBINED LESSONS: REVISIT Year 2: Textbook 2B, Ch.10: Lesson 2 & 3: Counting Money To count notes in sequences of 5 & 10; to recognise value of notes.	Lesson 1: Naming Amounts of Money To consolidate previous learning about denominations of notes & coins; to add 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.
Complete the online lesson: https://classroom.thenational.academy/lessons/drawing-bar-models-to-help-us-with-measuring-word-problems-crwkje	Learn the strategy: up to 5 minutes and 51 seconds) https://classroom.thenational.academy/lessons/solving-problems-using-measures-69j32t?step=2&activity=video	Use the strategies we have learnt in this chapter to complete the review. Go back to watch the videos if you are not sure.	Learn the strategy: https://vimeo.com/424728802/22738b9458	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
8 Chapter 8: Money					
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.	Lesson 5: Adding Money To add amounts of money using different methods; to consolidate adding pounds & pence separately.	Lesson 6: Adding Money To consolidate 'making a pound' 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 for adding money.	Lesson 8: Subtracting Money To use multiple methods for subtracting amounts of money, including concrete materials & column method.
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	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-c8v32t?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-6wup4t?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-cct3ge?step=2&activity=video
9 Chapter 8: Money					Chapter 9: Time
ADDITIONAL LESSON: Place value and multiplication To understand place value & place holders multiplying	ADDITIONAL LESSON: Revisit multiplication and division methods	Lesson 9 : Subtracting Money To use visual comparison to subtract money& formal subtraction (no regrouping)	Lesson 12: Calculating Change To learn the 'counting on' to calculate change; number bonds for calculating change.	REVIEW: Chapter 8: Money	Lesson 1: Telling the Time To use the terms 'a.m.' and 'p.m.' correctly to identify morning or afternoon/evening.
Complete the online lesson: https://classroom.thenational.academy/lessons/linking-place-value-and-multiplication-c4vpct https://classroom.thenational.academy/lessons/consolidating-multiplication-and-division-knowledge-part-2-cdhk0t	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: 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-c8v32t?step=2&activity=video	Learn the strategy: https://classroom.thenational.academy/lessons/using-an-adding-on-strategy-to-find-the-difference-c8vk6d?step=2&activity=video	Use the strategies we have learnt in this chapter to complete the review. Go back to watch the videos if you are not sure.	Learn the strategy: https://classroom.thenational.academy/lessons/telling-the-time-to-am-and-pm-68w3cd?step=1&activity=video



Year 3 spring home learning overview

10 Chapter 9: Time					
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.	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.
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	Learn the strategy: Analogue clock: https://classroom.thenational.academy/lessons/reading-analogue-time-to-the-nearest-minute-cdgkj?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-czuk4r?step=2&activity=video
11 Chapter 9: Time					
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.	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.
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	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-6qw3ic?step=1&activity=video
12 Chapter 9: Time			Catch up time		
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 & timelines to calculate time.	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.	Revisit any worksheets that have not been completed so far from this half term.	Revisit any worksheets that have not been completed so far from this half term.	Revisit any worksheets that have not been completed so far from this half term.
Learn the strategy: (up to 4 minutes and 17 seconds) https://classroom.thenational.academy/lessons/further-applying-knowledge-of-time-to-solve-problems-cfgkqd?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-cfgkqd?step=1&activity=video	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			
Easter Holiday Break					