

Autumn term 2021-22					
1 Chapter 1: Numbers to 1 000 000					
Recap year 4 Book 4A, Ch.1, Lesson 7: Comparing & Ordering Numbers To compare and order 4-digit numbers.	Lesson 1: Reading & Writing Numbers to 100 000 To read and represent numbers to 100 000.	Lesson 2: Reading & Writing Numbers to 1 000 000 To read and represent numbers to 1 000 000.	Lesson 3: Reading & Writing Numbers to 1 000 000 To read and represent numbers to 1 000 000 using number discs.	Lesson 4: Comparing Numbers to 1 000 000 To compare numbers to 1 000 000 using place value.	Lesson 5: Comparing Numbers to 1 000 000 To compare numbers to 1 000 000 using place value.
2 Chapter 1: Numbers to 1 000 000					
Lesson 6: Comparing Numbers to 1 000 000 To compare numbers to 1 000 000 using pictorial representations and proportionality.	Lesson 7: Comparing Numbers to 1 000 000 To compare numbers to 1 000 000 from pictorial representations, using lists and number lines.	ADDITIONAL LESSON: (if needed) Embed numbers to 1,000,000 <u>(including position on a number line)</u>	Lesson 8: Making Number Patterns To make and identify patterns in numbers using knowledge of place value.	Lesson 9: Making Number Patterns To make number patterns that decrease in multiples of 10 000 or 100 000.	ADDITIONAL LESSON: Recap year 4: Book 4A, Ch. 1: Lesson 14: Rounding Numbers to Estimate
3 Chapter 1: Numbers to 1 000 000					
Lesson 10 over 2 days: Rounding Numbers To round numbers to the nearest 10 000 using number lines and bar graphs.	Lesson 10 over 2 days: Rounding Numbers	Lesson 11 over 2 days: Rounding Numbers To round numbers to the nearest 100 000 using number lines and bar graphs.	Lesson 11 over 2 days: Rounding Numbers	Lesson 12: Rounding Numbers To round numbers to the nearest 100, 1000, 10 000 and 100 000 using number lines.	ADDITIONAL LESSON: (if needed) Embed to the nearest rounding 100, 1000, etc. <u>using number lines</u>
Chapter 2: Whole Numbers: Addition and Subtraction					
REVIEW: Chapter 1	Recap year 4 Book 4A, Ch.2, Ch.1, Lesson 5: Adding with Renaming To add with renaming (in 100s, 10s & 1s).	Recap year 4 Book 4A, Ch.2, Lesson 13: Subtracting with Renaming To subtract with renaming.	Lesson 1: Counting On to Add To add using the 'counting on' strategy with concrete materials and number lines.	Lesson 2: Counting Backwards to Subtract To subtract using the counting backwards strategy with concrete materials.	Lesson 3: Adding within 1 000 000 To add numbers within 1 000 000 using rounding and concrete materials.
5 Chapter 2: Whole Numbers: Addition and Subtraction					
Lesson 4: Adding and Subtracting within 1 000 000 To use addition and subtraction to solve comparison probs with numbers to 1000 000.	Lesson 5: Adding within 1 000 000 To add numbers within 1 000 000 using the column method of addition.	Lesson 6: Subtracting within 1 000 000 To subtract using the column method, number bonds and number discs using numbers to 1 000 000.	Lesson 7: Adding and Subtracting within 1 000 000 To add and subtract using number bonds as a key strategy using numbers within 1 000 000.	Lesson 9: Subtracting within 1 000 000 To subtract numbers to 1 000 000 using concrete materials, the column method and number bonds.	Lesson 10: Part 1 Subtracting within 1 000 000 To consolidate and refine subtraction skills and place-value knowledge to solve subtraction problems.
6 Chapter 2: Whole Numbers: Addition and Subtraction				Chapter 3: Multiplication and Division	
Lesson 10: Part 2 Subtracting within 1 000 000 To consolidate & refine subtraction skills & place-value knowledge to solve subtraction.	ADDITIONAL LESSON: (if needed) Embed formal addition and subtraction	ADDITIONAL LESSON: (if needed) Embed formal addition and subtraction	REVIEW: Chapter 2	Recap year 4 Book 4A, Ch.4, Lesson 6: Multiplying 2-Digit Numbers To multiply 2-digit numbers.	Recap year 4 Book 4A, Ch.4, Lesson 7: Multiplying 2-Digit Numbers To multiply 2-digit numbers with renaming.
7 Chapter 3: Multiplication and Division					
Recap year 4 Book 4A, Ch.4, Lesson 10: Multiplying 3-Digit Numbers To multiply 3-digit numbers (renaming).	Lesson 1: Finding Multiples (over 2 days) To consolidate and review multiplication; to find the result of multiplying by a number.	Lesson 1: Finding Multiples (over 2 days)	Lesson 2: Finding Factors over 2 days To consolidate and review multiplication; to find the numbers we can multiply by to get a number.	Lesson 2: Finding Factors over 2 days	Catch up time
Half term break					

8 Chapter 3: Multiplication and Division					
Lesson 3: Finding Common Factors To define and find common factors of numbers to 100.	Lesson 4: Finding Prime Numbers To identify & name the prime numbers; to recognise prime numbers as numbers that only have 2 factors.	Lesson 5: Finding Prime Numbers To define and determine prime numbers to 100.	ADDITIONAL LESSON: (if needed) Embed multiples, factors and prime numbers NB: R2P: 5MD-2 Find factors and multiples of positive whole numbers, including common factors and common multiples, and express a given number as a product of 2 or 3 factors.	Lesson 6: Finding Square and Cube Numbers over 2 days To create and determine square and cube numbers.	Lesson 6: Finding Square and Cube Numbers over 2 days (if needed)
9 Chapter 3: Multiplication and Division					
Lesson 7: Multiplying by 10, 100 and 1000 To multiply 1- and 2-digit numbers by 10, 100 and 1000.	Lesson 8: Multiply 2-Digit & 3-Digit Numbers by 1 Digit To multiply 2- & 3-digit numbers by a 1-digit number using multiple strategies.	Lesson 9: Multiplying 4-Digit Numbers To multiply 4-digit numbers by single-digit numbers.	Lesson 10: Multiplying 4-Digit Numbers To multiply 4-digit numbers by single-digit numbers with regrouping, using a variety of strategies.	Lesson 12: Multiplying a 2-Digit Number by a 2-Digit Number To multiply 2-digit numbers by 2-digit numbers using multiple methods.	Lesson 13 : Multiply 2-Digit Number by a 2-Digit Number To multiply 2-digit by 2-digit numbers using multiple methods, incl.grid method, no bonds & column method, with regrouping.
10 Chapter 3: Multiplication and Division					
Lesson 14: Multiplying a 3-Digit Number by a 2-Digit Number To multiply a 3-digit by a 2-digit number, using grid method & column method as key strategies.	ADDITIONAL LESSON: (if needed) Embed formal multiplication 3 digit x 2 digit	Nfer Autumn paper	Nfer Autumn paper	Nfer Autumn paper	Recap year 4 Book 4A, Ch.4, Lesson 14: Dividing 2-Digit Numbers with remainders. Divide 2-digit numbers
11 Chapter 3: Multiplication and Division					
Recap year 4 Book 4A, Ch.4, Lesson 15: Dividing 3-Digit Numbers Divide 3-digit numbers.	Recap year 4 Book 4A, Ch.4, Lesson 16: Dividing 3-Digit Numbers Divide 3-digit numbers with remainders.	Lesson 16: Dividing by 10, 100 and 1000 To find thousands, hundreds and tens in a 4-digit number using concrete materials.	Lesson 17: Dividing 3-Digit and 4-Digit Numbers To divide 3- and 4-digit numbers by 1-digit numbers using number bonds and long division as key.	Lesson 18: Dividing 4-Digit Numbers To divide 4-digit numbers by single-digit numbers, using number bonds and long division are the key strategies.	Lesson 19: Dividing with Remainder To divide 3-digit by single-digit numbers using long division, short division and mental methods with remainders.
12 Chapter 5: Graphs (Year 3 & Year 4: HL 2019-21: Graphs)					
ADDITIONAL LESSON: (if needed) Embed formal division	REVIEW: Chapter 3	ADDITIONAL LESSON: Recap Year 3 Graphs: Textbook 3B: Chapter 10, Lesson 5: Reading Bar Graphs	ADDITIONAL LESSON: Recap Year 4 Graphs: Textbook 4A: Chapter 5, Lesson 4: Drawing & Reading Line Graphs	Lesson 1: Reading Tables To read the information presented in a table and interpret its meaning.	Lesson 2: Reading Tables To read and respond to information presented in a table.
13 Chapter 5: Graphs (Year 3 & Year 4: HL 2019-21: Graphs)				Chapter 6: Fractions(Yr 3 & 4:HL 2019-21)	
Lesson 3: Reading Tables To read and respond to tables with a variety of data sets.	Lesson 4: Reading Line Graphs To read & interpret information provided in a line graph where a single line represents data.	Lesson 5: Reading Line Graphs To read & interpret the information presented in a line graph where the data is represented by more thn 1 line.	Lesson 7: Reading Line Graphs To read & interpret info. presented in table & turn it into a line graph; determine relationships between data sets.	Review Chapter 5	ADDITIONAL LESSON: Recap year 3 fractions: Ch.11, Lesson 1: Counting in Tenths To count in tenths; to recognise tenths & determine how many shade tenth
14 Chapter 6: Fractions(Yr 3 & 4:HL 2019-21) (Year 3 & Year 4: HL 2019-21: Fractions)					
ADDITIONAL LESSON: Recap year 3 fractions: Ch.11, Lesson 2: Making Number Pairs To make no. pairs to create 1; to combine fractions to make 1.	ADDITIONAL LESSON: Recap year 3 fractions: Ch.11, Lesson 3: Adding Fractions To add fractions with the same denominator.	ADDITIONAL LESSON: Recap year 3 fractions: Ch.11, Lesson 5: Subtracting Fractions To subtract fractions with the same name.	ADDITIONAL LESSON: Recap year 3 fractions: Ch.11, Lesson 8: Finding Equivalent Fractions To find equivalent fractions; to place fractions on a number line.	Catch up	Catch up
Christmas holiday break					

1 Spring term 1 2021-22					
Bank Holiday	INSET day	Chapter 11: YEAR 3 Fractions (Year 3 HL AND Year 4 HL 2019-21)			
		ADDITIONAL LESSON: Fractions Recap year 3 Ch.11, Lesson 10: Finding Equivalent Fractions To find equivalent fractions using concrete objects and pictorial representations.	ADDITIONAL LESSON: Fractions Recap year 3 Ch.11, Lesson 12: Finding the Simplest Fraction To find the simplest fraction using visualisation and concrete materials.	ADDITIONAL LESSON: Fractions Recap year 3 Ch.11, Lesson 16: Comparing Fractions To compare fractions using pictorial represents; to understand the numerical nature of the numerator.	ADDITIONAL LESSON: Fractions Recap year 3 Ch.11, Lesson 18: Adding Fractions To add fractions using pictorial representations; to simplify fractions after adding them.
2 Chapter 11: YEAR 3 Fractions & Chapter 6: YEAR 4 Fractions (Year 3 HL AND Year 4 HL 2019-21)					
ADDITIONAL LESSON: Fractions Recap year 3: Ch.11, Lesson 19: Subtracting Fractions To subtract fractions using pictorial representations; to simplify fractions after they have been subtracted.	ADDITIONAL LESSON: Fractions Recap year 3 Book 3B, Ch 11, Lesson 21: Finding Part of a Set To determine a fraction of a whole number using pictorial representations.	ADDITIONAL LESSON: Fractions Recap year 3 Book 3B, Ch 11, Lesson 22: Finding Part of a Set To find a fraction of a whole number using pictorial representations, multiplication and concrete objects.	ADDITIONAL LESSON: Fractions Recap year 3 Book 3B, Ch 11, Lesson 23: Finding the Fraction of a Number To consolidate finding the fraction of a whole number.	ADDITIONAL LESSON: Fractions Recap year 4: Book 4A, Ch.6, Lesson 3: Showing Mixed Numbers on a Number Line To show mixed number fractions on a number line.	ADDITIONAL LESSON: Fractions Recap year 4: Book 4A, Ch.6, Lesson 4: Finding Equivalent Fractions To find equivalent fractions. Book 4A, Ch.6, Lesson 5: Finding Equivalent Fractions To find equivalent fractions (further practise).
3 Chapter 11: YEAR 3 Fractions & Chapter 6: YEAR 4 Fractions (Year 3 HL AND Year 4 HL 2019-21)					Ch 6: Fractions
ADDITIONAL LESSON: Fractions Recap year 4: Book 4A, Ch.6, Lesson 7: Simplifying Improper Fractions To be able to simplify improper fractions.	ADDITIONAL LESSON: Fractions Recap year 4: Book 4A, Ch.6, Lesson 9: Adding Fractions To be able to add fractions with the same denominator and record answers as mixed numbers.	ADDITIONAL LESSON: Fractions Recap year 4: Book 4A, Ch.6, Lesson 10: Adding Fractions To add fractions (simplest form).	ADDITIONAL LESSON: Fractions Recap year 4 Book 4A, Ch.6, Lesson 11: Subtracting Fractions To subtract a fraction from a whole number.	ADDITIONAL LESSON: Fractions Recap year 4 Book 4A, Ch.6, Lesson 12: Subtracting Fractions To subtract fractions (equivalence).	Lesson 1: Dividing to Make Fractions To divide whole numbers to create fractions; to create mixed numbers and improper fractions when dividing whole numbers.
4 Chapter 6: Fractions (Year 3 HL AND Year 4 HL 2019-21)					
Lesson 2: Writing Improper Fractions and Mixed Numbers To write improper fractions and mixed numbers using a number line and pictorial methods.	Lesson 3: Finding Equivalent Fractions To find equivalent fractions using pictorial methods.	Lesson 4: Comparing and Ordering Fractions To compare and order fractions using the pictorial method.	Lesson 5: Comparing and Ordering Fractions To compare and order improper fractions using the pictorial method.	Lesson 6: Comparing and Ordering Fractions To compare mixed nos. using pictorial; to find common denominators where one fraction is already common denominator for all.	Lesson 7: Making Number Pairs To make number pairs (number bonds) with fractions with different denominators.
5 Chapter 6: Fractions (Year 3 HL AND Year 4 HL 2019-21)					
Lesson 8: Adding Fractions To add unlike fractions by finding a common denominator using pictorial methods.	Lesson 9: Adding Fractions To add unlike fractions by finding a common denominator using pictorial methods.	Lesson 10: Adding Fractions To add together unlike fractions where the sum is greater than 1, creating mixed numbers or improper fractions.	Lesson 11: Adding Fractions To add unlike fractions which create improper fractions and mixed numbers that give rise to simplification.	Lesson 12: Subtracting Fractions To subtract fractions with different denominators; to subtract fractions from whole numbers.	Lesson 13: Subtracting Fractions To subtract fractions with denominators not the same; to use bar models for subtracting fractions.
6 Chapter 6: Fractions (Year 3 HL AND Year 4 HL 2019-21)				Catch up	Catch up
Lesson 14: Subtracting Fractions To subtract fractions and mixed numbers from mixed numbers with different denominators.	Lesson 15: Multiplying Fractions by Whole Numbers To multiply fractions by whole numbers creating other fractions, mixed numbers or improper fractions.	Lesson 16: Multiplying Fractions by Whole Numbers To multiply fractions by whole numbers where the product is an improper fraction or mixed number.	Lesson 17: Multiplying Mixed Numbers To multiply mixed numbers by whole numbers, creating larger mixed numbers.		
Half term break					

1 Spring term 2 2021-22					
Recap				Chapter 7: Decimals	
ADDITIONAL LESSON: Embed fractions	REVIEW: Chapter 6 Fractions	Revisit formal addition, subtraction and multiplication of whole numbers (as needed)	Revisit formal multiplication and division of whole numbers (as needed)	ADDITIONAL LESSON: Recap year 4 decimals: Bk 4B, Chapter 8, Lesson 17: Dividing Whole Numbers by 100 To divide whole numbers by 100&10. (will need place value charts)	Lesson 1: Writing Decimals To write decimal numbers.
2 Chapter 7: Decimals					
Lesson 2: Reading and Writing Decimals To read and write decimals.	Lesson 3: Reading and Writing Decimals To read and write decimals.	Lesson 4: Comparing Decimals To compare tenths and hundredths written as decimals.	Lesson 5: Comparing Decimals To order and compare decimals.	Lesson 6: Comparing Decimals To compare and order decimals of amounts.	Lesson 7: Writing Fractions as Decimals To write fractions as decimals.
3 Chapter 7: Decimals					
Lesson 8: Adding and Subtracting Decimals To add and subtract amounts in decimals.	Nfer Spring arithmetic test	Nfer Spring test	Nfer Spring test	Lesson 9: Adding and Subtracting Decimals To add and subtract decimals. To add and subtract amounts in pounds and pence.	Lesson 10: Adding and Subtracting Decimals To add and subtract amounts in pounds and pence.
4 Chapter 7: Decimals					
Lesson 11: Adding and Subtracting Decimals To add and subtract decimals. To add and subtract amounts in pounds and pence.	Lesson 12: Adding and Subtracting Decimals To add and subtract decimals to find the smallest possible sum and difference.	Lesson 13: Adding and Subtracting Decimals To add and subtract decimals. To find number pairs that add up to 1.	Lesson 14: Adding and Subtracting Decimals To add and subtract the perimeter of an object using decimals.	Lesson 15: Rounding Decimals To round decimals to the nearest whole number. To round numbers to the nearest tenth.	ADDITIONAL LESSON: Rounding decimals & problems using addition and subtraction of decimals (Could use Power Maths, if another lesson is needed)
5 Chapter 8: Percentages				Chapter 9: Geometry	
Lesson 1: Comparing Quantities To compare quantities. To compare fractions, decimals and percentages. To convert fractions to decimals and percentages.	Lesson 2: Finding Percentages To convert values of an amount into percentages. To convert fractions into percentages.	Lesson 3: Finding Percentages To convert values of an amount into percentages. To convert fractions into percentages.	REVIEW: Chapter 7: Decimals Chapter 8: Percentages	Recap year 4 geometry: Bk 4B, Chapter 12, Lesson 7: Completing Symmetrical Figures To be able to complete a simple symmetric figure with respect to a specific line of symmetry.	Lesson 1: Knowing Types of Angles To know the names and qualities of acute, right, obtuse and reflex angles.
6 Chapter 9: Geometry			Catch up time	Catch up time	Catch up time
Lesson 2: Measuring Angles (over 2 days) To measure angles using a protractor.	Lesson 2: Measuring Angles (over 2 days)	Lesson 3: Measuring Angles To draw, measure and add angles using a protractor.			
Easter Holiday Break					