Year 6 bilingual coverage overview 2023-24

Quality First Education Trust

Autumn: 44 lessons

1 Chapter 1: Numbers to 10 Million

INSET day	INSET day	INSET day	**Lesson 1: Reading and Writing Numbers to 10 Million** To construct and record numbers to 10 000 000; to recognise the value of digits to 10 000 000.	**COMBINED LESSON: Lesson 2 & 3: Comparing and Ordering Numbers to 10 Million** To compare & order numbers to 10 000 000; to create combinations of numbers using a fixed number of digits.	**Lesson 4: Rounding Numbers** To round numbers to 10 000 000 to the nearest million, hundred thousand and ten thousand.

Week 3   Chapter 1: Nos to 10mill   Ch 2: Four operations of whole numbers

Lesson 5: Rounding Numbers To round numbers to the nearest appropriate number up to and including millions; to determine when rounding is appropriate and to which value.	**Chapter 1 review and consolidation** To practise various concepts covered in the chapter	**Lesson 1: Using Mixed Operations** To use multiple operations and create expressions from a picture; to use the order of operations to solve expressions.	**Lesson 2: Order of Operations** To create and solve expressions using the four operations.	**Lesson 3: Multiplying by Tens** To multiply numbers by multiples of 10; to use number bonds as a key strategy in multiplication.	**Lesson 5: Multiplying by Two-Digit Numbers** To multiply 3- and 4-digit numbers by 2-digit numbers without regrouping or renaming; to use both number bonds & column method

Week 5 Chapter 2: Four operations of whole numbers

Lesson 6: Multiplying a 3-Digit Number by a 2-Digit Number To multiply 3- & 4-digit by 2-digit numbers with renaming; to use no. bonds & pattern recognition for multiplication.	**Lesson 7: Multiplying a 4-Digit Number by a 2-Digit Number** To multiply 3- and 4-digit numbers by 2-digit numbers with renaming; to use number bonds and the column method	**Lesson 8: Multiplying by Two-Digit Numbers** To estimate products of multiplying 3- & 4-digit by 2-digit numbers; to use multiplication to create specific products.	**Lesson 9: Dividing by Two-Digit Numbers** To divide 3-digit by 2-digit using strategies; to use number bonds, long division & bar models to facilitate division by 2-digit numbers.	**Lesson 10: Dividing by Two-Digit Numbers** To divide 4-digit numbers by 2-digit numbers; to use number bonds and long division as the key strategies.	**Lesson 11: Dividing by Two-Digit Numbers** To divide 4-digit numbers by 2-digit numbers using a variety of methods; to use no. bonds, long & short division as methods.

Week 7 Chapter 2: Four operations of whole numbers

Lesson 12: Dividing by Two-Digit Numbers To divide 3-digit by 2-digit numbers giving rise to remainders; to use number bonds, long & short division as key to solve division problems.	**Lesson 13: Dividing by Two-Digit Numbers with Remainder** To divide 4-digit numbers by 2-digit numbers giving rise to a remainder; to represent the remainder as part of a whole amount of money/decimal	**Lesson 14: Solving Word Problems Using Bar Models** To use bar model heuristic to solve word problems involving multiplication & division	**Lesson 17: Finding Common Multiples** To find common multiples in real-life; use common multiples in tandem with knowledge of time.	**Lesson 18: Finding Common Multiples** To use common multiples to solve problems; to organise thinking into tables and lists.	**Lesson 19: Finding Common Factors** To find the largest common factor of 3-digit numbers; to use x ÷ division for common factor.

Half term break

Week 1 Chapter 2: Four operations of whole numbers

INSET day	**Lesson 20: Finding Common Factors** To find the common factor of 3-digit numbers; to use x ÷ division for common factor.	**Lesson 21: Finding Prime Numbers** To use prime nos. to create other numbers; to explore prime numbers >100	**Lesson 22: Finding Prime Numbers** To explore prime numbers using concrete materials; to identify prime numbers using multiplication or division.	**Consolidation** To be used if lessons take longer than expected or topic needs to be revisited.	**AUTUMN TEST: arithmetic**

Week 3   Chapter 3: Fractions

AUTUMN TEST: reasoning	**AUTUMN TEST: reasoning**	**Lesson 2: Simplify Fractions Using Common Factors** To simplify fractions with division & common factors & represent fractions w' concrete & pictorial.	**Lesson 3: Comparing and Ordering Proper Fractions** To compare fractions and place them in order from smallest to largest.	**Lesson 4: Comparing and Ordering Improper Fractions** To compare and order fractions by finding common denominators.	**Lesson 5: Comparing and Ordering Fractions and Mixed Numbers** To compare and order fractions using common factors.

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Week 5 Chapter 3: Fractions					
Lesson 6: Adding and Subtracting Unlike Fractions Add & subtract fractions w' different denom's; pictorial to compre add/subtract fraction	**Lesson 7: Adding and Subtracting Unlike Fractions** To add and subtract fractions with different denominators.	**Lesson 8: Adding and Subtracting Mixed Numbers** To add & subtract mixed nos, incl. fractions different denominators; to subtract from whole & add remainder.	**Lesson 9: Adding and Subtracting Mixed Numbers** To add and subtract fractions with different denominators; to add and subtract mixed numbers.	**Lesson 10: Multiplying Pairs of Proper Fractions** To multiply fractions using pictorial representations and abstract methods.	**Lesson 11: Multiplying Pairs of Proper Fractions** To determine if the commutative law applies to fractions; to multiply fractions using concrete and pictorial.
Week 7 Chapter 3: Fractions				**Chapter 4: Decimals**	
Lesson 12: Multiplying Pairs of Proper Fractions To use concrete to understand & solve the multip'n of fractions; to simplify equations using pattern blocks.	**Lesson 13: Dividing a Fraction by a Whole Number** To divide a fraction by a whole number; to use pictorial to divide whole numbers into fractions.	**Lesson 14: Dividing a Fraction by a Whole Number** To divide fractions by whole nos. concrete & pictorial; to divide fractions (when numerator & divisor not easily divisible).	**Lesson 15: Dividing a Fraction by a Whole Number** To divide fractions by a whole number; to use pictorial to support division.	**COMBINED LESSONS: Lesson 1: Writing and Reading Decimals** To read & write decimals to thousandths; concrete to represent decimals. **Lesson 2: Dividing Whole Numbers by Multiples of 10** To divide whole numbers by larger whole numbers; Dienes 1/10s, 1/100s & 1/1000s.	**Lesson 3: Dividing Whole Numbers** To be able to associate a fraction with division, and calculate decimal fraction equivalents for a simple fraction.
Christmas holiday break					

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Spring: 36 lessons					
Week 2 Ch 4: Decimals					
Lesson 5: Writing Fractions as Decimals To write fractions as decimals; to use long division as the key strategy	**Lesson 7: Multiplying Decimals With Renaming** To multiply whole nos that include a decimal by whole numbers; to use partitioning & worded method.	**Lesson 8: Multiplying Decimals With Renaming** To multiply decimals by whole numbers including regrouping and renaming.	**Lesson 10: Dividing Decimals Without Renaming** To divide decimals using number bonds & PV counters as the key strategies. (Method 2)	**Lesson 11: Dividing Decimals With Renaming** To divide decimals using bar models, number bonds & long division as key strategies, including regrouping & renaming.	**Lesson 12: Multiplying a Decimal by a 2-Digit Whole Number** To multiply decimals by a 2-digit whole number using number discs and the column method.
Week 4 Chapter 4: Decimals			**Chapter 7: Percentage**		
Lesson 13: Dividing a Decimal by a 2-Digit Whole Number To divide decimals by 2-digit numbers using number bonds and the worded method.	**Lesson 14: Dividing a Decimal by a 2-Digit Whole Number** To divide decimals by 2-digit whole numbers using number bonds and the worded method.	**Consolidation** To be used if lessons take longer than expected or topic needs to be revisited.	**Lesson 1: Finding the Percentage of a Number** To find the % of a whole number using division and multiplication; to use bar modelling as a pictorial approach to calculating %.	**Lesson 2: Finding the Percentage of a Quantity** To find the % of a quantity; to use bar model diagrams to support the division and multiplication of numbers towards the percentage.	**Lesson 3: Finding Percentage Change** To find % change in an amount over time; to calculate % change where the number gives rise to a decimal.
Week 6 Chapter 7: Percentage			**Chapter 8: Ratio**		
ADDITIONAL LESSON: **% of amounts (NB: Include focus on 1%)**	**ADDITIONAL LESSON: Problem solving with percentages:**	**ADDITIONAL LESSON: Fractions, decimals and equivalence problems**	**Combined Lesson: Lesson 2 and 3: Comparing Quantities** To find ratio of a quantity; simplify ratios using division; use term 'ratio'compare two or more quantities ';use bar models	**Lesson 4: Finding Quantities from Ratios** To be able to use ratio to count quantities.	**Lesson 5: Ratios with Measurements** To be able to use ratio to measure quantities.
Week 2 Chapter 8: Ratio				**Ch 9: Algebra**	
Lesson 7: Comparing Ratios to Find a Quantity To be able to solve problems involving ratio.	**Lesson 8: Word Problems Involving Ratio** To be able to solve problems involving ratio.	**SPRING TESTS: arithmetic and reasoning**	**SPRING TESTS: reasoning**	**Lesson 2: Describing a Pattern** To determine a pattern, concrete materials& pictorial; to use a table to identify a repeating pattern; to express the relationship between consecutive numbers in terms of a letter or symbol,	**Lesson 3: Describing a Pattern** To pattern with concrete & pictorial; use table to identify repeat pattern.
Week 4 Chapter 9: Algebra					**Chapter 13**
Lesson 4: Describing a Pattern To express relationship btween consec. nos in terms of a letter/symbol; number or letter to multiply	**Lesson 5: Writing Algebraic Expressions** To use a table to identify a pattern; to write algebraic expressions using each of the four operations.	**Lesson 6: Writing Algebraic Expressions** To use examples to identify rules; to write algebraic expressions using each of the four operations, to evaluate algebraic expressions including the use of inverse operations.	**Lesson 9: Using Formulae** To use formaulae o solve problems; to replace a letter/variable with a number then solve the equation; to use inverse operations to solve equations.	**ADDITIONAL LESSON: Algebra**	**Lesson 1: Showing Negative Numbers** To be able to use negative numbers in context and calculate intervals across zero.
Week 6 Chapter 13: Position & Movement				**Chapter 14: Graphs and averages**	
Lesson 2: Describing Position To be able to describe positions on a full coordinate grid.	**Lesson 3: Describing Position** To describe the position of points using coordinates on a grid.	**Lesson 5: Describing Translations** To describe the translation of shapes on a coordinate grid.	**Lesson 6: Describing Reflections** To describe reflection using a mirror line and the terms 'object' and 'image'.	**Lesson 1: Understanding Averages** To calculate the average (mean) of sets of values.	**Lesson 2: Calculating Mean** To calculate the mean.
Easter Holiday					

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Summer: 36 lessons					
Week 2 Chapter 14: Graphs and averages					
COMBINED LESSONS: **Lesson 5: Reading Pie Charts** To be able to read and interpret pie charts when they are split into equal parts. **Lesson 6: Reading Pie Charts** To be able to read and interpret pie charts when they are split into simple fractions.	**Lesson 7: Reading Pie Charts** To be able to read and interpret pie charts when they are split into percentages.	**Lesson 9: Reading Line Graphs** To read line graphs; to interpret the information in line graphs.	**Practice Paper: arithmetic** **Practice Paper: reasoning**	**Practice Paper: reasoning**	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.
Week 4 SATS WEEK					
Consolidation day: To be used if lessons take longer than expected or a topic needs to be revisited.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.	_Wednesday: arithmetic & reasoning paper 1_	_Thursday: reasoning paper 2_	
Half term break					
Week 1 Chapter 11: Volume				**Chapter 8: Ratio**	
RECAP: Lesson 3: Finding the Volume of Cubes & Cuboids	**RECAP: Lesson 5: Solving Problems Involving the Volume of Solids** To calculate, estimate & compare the volume of cubes and cuboids.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.	**Chapter 11 review and consolidation** To practise various concepts covered in the chapter.	**Lesson 6: Finding Ratios** To be able to compare quantities by writing a ratio.	**Lesson 9: Word Problems Involving Ratio** To be able to solve problems involving ratio.
Week 3 Chapter 8: Ratio		**Chapter 9: Algebra**			
Lesson 10: Word Problems Involving Ratio To be able to solve problems involving ratio.	**Chapter 8 review and consolidation** To practise various concepts covered in the chapter.	**Lesson 7: Writing and Evaluating Algebraic Expressions** To express missing number problems algebraically.	**Lesson 8: Writing Formulae** To be able to use simple formulae.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.	**Chapter 9 review and consolidation** To practise various concepts covered in the chapter.
Week 5 Chapter 14: Graphs and averages					
Chapter 10 review and consolidation To practise various concepts covered in the chapter.	**Lesson 8: Reading Pie Charts** To be able to interpret pie charts based on basic geometry.	**Lesson 10: Reading Line Graphs** To be able to interpret line graphs and use these to solve problems.	**Lesson 11: Converting Miles into Kilometres** To convert miles into kilometres and vice versa.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.	**Chapter 14 review and consolidation** To practise various concepts covered in the chapter.
Week 7					
Revision and Mid-year Tests (B)	**Revision and Mid-year Tests (B)**	**Revision and Mid-year Tests (B)**	**Revision and Mid-year Tests (B)**	**Revision and Mid-year Tests (B)**	**Revision and Mid-year Tests (B)**
Summer holiday break					