YEAR 5 SOW – 2022 2023

CP UNITS	Year 5 objectives	NOTES
AUTUMN 1 (7 weeks)		
Decimal Fractions Unit 1 (5 weeks)	• recognise and write decimal equivalents of any number of tenths or hundredths • recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents • round decimals with two decimal places to the nearest whole number and to one decimal place • read, write, order and compare numbers with up to three decimal places • solve problems involving number up to three decimal places	Year 4 objectives covered in year 5 in red
Money Unit 2 (2 weeks)	• use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.	
AUTUMN 2 (7 weeks)		
Negative numbers Unit 3 (2 weeks)	• interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero	
Short multiplication and Short division Unit 4 (5 weeks)	• multiply numbers up to 4 digits by a one- or two-digit number using a formal written • method, including long multiplication for two-digit numbers • multiply and divide numbers mentally drawing upon known facts • divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context • solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.	Area covered in year 5
SPRING 1 (6 weeks)		
Short multiplication and Short division Unit 4 (cont) (1 week)	See above	
Area and Scaling Unit 5 (5 weeks)	• solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates • recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3) • calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes	

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	• estimate volume [for example, using 1 cm3 blocks to build cuboids (including cubes)] and capacity [for example, using water]	
SPRING 2 (6 weeks)		
Calculating with decimal fractions Unit 6 (3 weeks)	• multiply and divide whole numbers and those involving decimals by 10, 100 and 1000	
Factors, Multiples and Primes Unit 7 (3 weeks)	• identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers • know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers establish whether a number up to 100 is prime and recall prime numbers up to 19 • recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3) • solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes • solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign • solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates	
SUMMER 1 (6 weeks)		
Factors, Multiples and Primes Unit 7 (cont) Review of fractions (1 week)	See above	
Fractions Unit 8 (5 weeks)	• recognise and write decimal equivalents to ¼, ½, ¾ • compare and order fractions whose denominators are all multiples of the same number • identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths • recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, 2/5 + 4/5 = 6/5 = 1 1/5	Year 4 objectives covered in year 5 in red

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	• add and subtract fractions with the same denominator and denominators that are multiples of the same number • multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams • read and write decimal numbers as fractions [for example, 0.71 = 71/100] • recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents •	
SUMMER 2 (7 weeks)		
Fractions Unit 8 (2 weeks)	• solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates	
Converting units Unit 9 (2 weeks)	• round decimals with two decimal places to the nearest whole number and to one decimal place • read, write, order and compare numbers with up to three decimal places • solve problems involving number up to three decimal places • convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre) • understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints • solve problems involving converting between units of time • use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.	

Angles
Unit 10
(3 weeks)
	• know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles
	• draw given angles, and measure them in degrees (o)
	• identify:
	   • angles at a point and one whole turn (total 360o)
	   • angles at a point on a straight line and ½ a turn (total 180o)
	   • other multiples of 90o
	• use the properties of rectangles to deduce related facts and find missing lengths and angles
	• distinguish between regular and irregular polygons based on reasoning about equal sides and angles	