Cambridge Primary Mathematics Curriculum Framework objectives	Student Book	Workbook	Journal	Digital Student Book	Skills Sheets
Number					
Numbers and the number system					
6Nn1 Count on and back in fractions and decimals, e.g. $\frac{1}{3s}$, 0.1s, and repeated steps of whole numbers (and through zero).				1.1 Read and write the numbers	
6Nn2 Know what each digit represents in whole numbers up to a million.	pages 6–11	pages 2–7	Place value, pages 1–5	1.1 Read and write the numbers 1.2 Select the correct number 1.4 Arrange the numbers from the greatest to the smallest	Knowing what digits represent: Making numbers
6Nn3 Know what each digit represents in one- and two-place decimal numbers.	pages 176–180	pages 154–155	Place value, pages 1–5	3.3 Numbers divisible by 2, 5, 10 or 100 9.1 Write the decimal number	Knowing what digits represent: Making numbers 1- and 2-place decimal numbers: Exploring decimals
6Nn4 Multiply and divide any whole number from 1 to 10 000 by 10, 100 or 1 000 and explain the effect.	pages 181–183	pages 156–157		3.1 Vocabulary related to multiplication and division	
6Nn5 Multiply and divide decimals by 10 or 100 (answers up to two decimal places for division).	pages 181–183	pages 156–157		2.3 Subtracting decimals	
6Nn6 Find factors of two-digit numbers.	pages 20–23	pages 16–19			

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6Nn7 Find some common multiples, e.g. for 4 and 5.	pages 20–23	pages 18–19			
6Nn8 Round whole numbers to the nearest 10, 100 or 1 000.	pages 29–30	pages 30–31		1.5 Revision	
6Nn9 Round a number with two decimal places to the nearest tenth or to the nearest whole number.	pages 184–186	page 158			
6Nn10 Make and justify estimates and approximations of large numbers.					
6Nn11 Order and compare positive numbers to one million, and negative integers to an appropriate level.		pages 20–29		2.1 Adding and subtracting	
6Nn12 Use the >, < and = signs correctly.	pages 24–28	pages 20–29		2.1 Adding and subtracting 2.3 Subtracting decimals 2.4 Find the missing number 2.5 Revision	
6Nn13 Estimate where four-digit numbers lie on an empty 0–10 000 line.	pages 24–28	pages 30–31		2.5 Revision	
6Nn14 Order numbers with up to two decimal places (including different numbers of places).	pages 29–30	page 158		3.1 Vocabulary related to multiplication and division	
6Nn15 Recognise and extend number sequences.	page 31–32, 186		Number sequences including prime numbers, pages 6–10	1.2 Select the correct number	Identify relationships between numbers: Number sequences

Cambridge Primary Mathematics Curriculum Framework objectives	Student Book	Workbook	Journal	Digital Student Book	Skills Sheets
6Nn16 Recognise and use decimals with up to three places in the context of measurement.	pages 188–193	pages 32–33, 159–163			
6Nn17 Recognise odd and even numbers and multiples of 5, 10, 25, 50 and 100 up to 1 000.	page 33				
6Nn18 Make general statements about sums, differences and multiples of odd and even numbers.	page 33				
6Nn19 Recognise prime numbers up to 20 and find all prime numbers less than 100.	pages 12–17	pages 8–15	Number sequences including prime numbers, pages 6–10	1.3 Prime and composite numbers	
6Nn20 Recognise the historical origins of our number system and begin to understand how it developed.	pages 4–5				
6Nn21 Compare fractions with the same denominator and related denominators, e.g. $\frac{3}{4}$ with $\frac{7}{8}$.	pages 157–159	pages 136–141	Equivalent fractions, pages 71–75	8.2 Ordering fractions	Equivalent fractions: Dice games
6Nn22 Recognise equivalence between fractions, e.g. between $\frac{1}{100s}$, $\frac{1}{10s}$, $\frac{1}{2s}$.	pages 157–159	pages 136–141	Equivalent fractions, pages 71–75		Equivalent fractions: Dice games
6Nn23 Recognise and use the equivalence between decimal and fraction forms.	page 156		The relationship between decimals and fractions, pages 81–85	8.1 Equivalent decimals to fractions	Recognising and using equivalence: Decimals and fractions

Cambridge Primary Mathematics Curriculum Framework objectives	Student Book	Workbook	Journal	Digital Student Book	Skills Sheets
6Nn24 Order mixed numbers and place between whole numbers on a number line.	pages 162–163	pages 144–146		8.5 Revision with calculator	
6Nn25 Change an improper fraction to a mixed number, e.g. $\frac{17}{8}$ to $2\frac{1}{8}$.	pages 160–161	pages 142–143			
6Nn26 Reduce fractions to their simplest form, where this is $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ or a number of fifths or tenths.	pages 164–167	pages 147–149	Reducing fractions, pages 76–80		Reducing fractions to their simplest form: Fraction walls
6Nn27 Begin to convert a vulgar fraction to a decimal fraction using division.	pages 168–170	pages 150–151			
6Nn28 Understand percentage as parts in every 100 and express $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{10}$, $\frac{1}{100}$ as percentages.	pages 196–203	pages 164–173	Finding percentages of numbers and shapes, pages 86–90	10.1 Percentages	Understanding percentages: Percentages and fractions
6Nn29 Find simple percentages of shapes and whole numbers.	pages 196–203	pages 164–173		10.1 Percentages 10.2 Percentages with money, capacity 10.4 Shaded parts	Percentages of shapes and whole numbers: Percentages of an amount
6Nn30 Solve simple problems involving ratio and direct proportion.	pages 171–173	pages 152–153		10.5 Proportion with percentages	Simple problems involving ratio: Word problems

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Calculation					
Mental strategies					
6Nc1 Recall addition and subtraction facts for numbers to 20 and pairs of one-place decimals with a total of 1, e.g. 0.4 + 0.6.	pages 36–41	pages 35–37	Mental addition and subtraction, pages 11–15		Addition and subtraction facts: Mental addition and subtraction
6Nc2 Derive quickly pairs of one-place decimals totalling 10, e.g. 7.8 and 2.2, and two-place decimals totalling 1, e.g. 0.78 + 0.22.	page 187				
6Nc3 Know and apply tests of divisibility by 2, 4, 5, 10, 25 and 100.	pages 82–83			3.2 Multiplication and division with remainder	Divisibility rules: How many?
6Nc4 Use place value and number facts to add or subtract two-digit whole numbers and to add or subtract three-digit multiples of 10 and pairs of decimals, e.g. 560 + 270; 2.6 + 2.7; 0.78 + 0.23.	pages 36–41	pages 35–37	Mental addition and subtraction, pages 11–15		Addition and subtraction facts: Mental addition and subtraction
6Nc5 Add/subtract near multiples of one when adding numbers with one decimal place, e.g. 5.6 + 2.9; 13.5 − 2.1.	pages 181–183	pages 156–157	Mental addition and subtraction of near multiples, pages 16–20	9.2 Mental calculations	
6Nc6 Add/subtract a near multiple of 10, 100 or 1 000, or a near whole unit of money, and adjust, e.g. 3 127 + 4 998; 5 678 − 1 996.	pages 48–52	pages 48–51	Mental addition and subtraction of near multiples, pages 16–20		

Cambridge Primary Mathematics Curriculum Framework objectives	Student Book	Workbook	Journal	Digital Student Book	Skills Sheets
6Nc7 Use place value and multiplication facts to multiply/divide mentally, e.g. 0.8 × 7; 4.8 ÷ 6.	pages 181–183	pages 156–157		3.2 Multiplication and division with remainder 4.2 Calculating mentally with conversion	
6Nc8 Multiply pairs of multiples of 10, e.g. 30 × 40, or multiples of 10 and 100, e.g. 600 × 40.	pages 75–79	pages 73–78			
6Nc9 Double quickly any two-digit number, e.g. 78, 7.8, 0.78 and derive the corresponding halves.	pages 84–87	pages 81–83			
6Nc10 Divide two-digit numbers by single-digit numbers, including leaving a remainder.	pages 66–74	pages 69–72			
Addition and subtraction					
6Nc11 Add two- and three-digit numbers with the same or different numbers of digits/decimal places.	pages 42–47	pages 42–47	Written addition and subtraction, pages 21–25		Adding and subtracting 3- and 4-digit numbers: Find the error
6Nc12 Add or subtract numbers with the same and different numbers of decimal places, including amounts of money.	pages 48–52	pages 48–51	Written addition and subtraction, pages 21–25		
6Nc13 Find the difference between a positive and negative integer, and between two negative integers in a context such as temperature or on a number line.	pages 53–55	pages 52–53			

Cambridge Primary Mathematics Curriculum Framework objectives	Student Book	Workbook	Journal	Digital Student Book	Skills Sheets
Multiplication and division					
6Nc14 Multiply pairs of multiples of 10, e.g. 30 × 40, or multiples of 10 and 100, e.g. 600 × 40.	pages 75–79	pages 73–78		3.4 Multiples with calculator 9.3 Multiplying by 100, 1000	
6Nc15 Multiply near multiples of 10 by multiplying by the multiple of 10 and adjusting.	pages 80–81	pages 79–80		3.4 Multiples with calculator	
6Nc16 Multiply by halving one number and doubling the other, e.g. calculate 35 × 16 with 70 × 8.	pages 75–79	pages 73–78			
6Nc17 Use number facts to generate new multiplication facts, e.g. the 17× table from 10× + 7× tables.	pages 82–83				
6Nc18 Multiply two-, three- or four-digit numbers (including sums of money) by a single-digit number and two- or three-digit numbers by two-digit numbers.	pages 58–65	pages 59–62	Multiplying by a 1-digit number, pages 26–30	3.2 Multiplication and division with remainder	Multiplication: Word problems
6Nc19 Divide three-digit numbers by single-digit numbers, including those leaving a remainder and divide three-digit numbers by two-digit numbers (no remainder) including sums of money.	pages 66–74	pages 69–72	Dividing by 2- and 3-digit numbers, pages 36–40	3.2 Multiplication and division with remainder	
6Nc20 Give an answer to division as a mixed number, and a decimal (with divisors of 2, 4, 5, 10 or 100).	pages 72–75	pages 69–73	Dividing by 2- and 3-digit numbers, pages 36–40		

Cambridge Primary Mathematics Curriculum Framework objectives	Student Book	Workbook	Journal	Digital Student Book	Skills Sheets
6Nc21 Relate finding fractions to division and use them as operators to find fractions including several tenths and hundredths of quantities.	pages 171–173	pages 152–153			
6Nc22 Know and apply the arithmetic laws as they apply to multiplication (without necessarily using the terms commutative, associative or distributive).	pages 56–66	pages 54–63			
Geometry					
Shapes and geometric reasoning					
6Gs1 Classify different polygons and understand whether a 2D shape is a polygon or not.	pages 136–143	pages 114–119		7.1 Properties of quadrilaterals	
6Gs2 Visualise and describe the properties of 3D shapes, e.g. faces, edges and vertices.	pages 144–146	pages 120–123		7.4 Net	
6Gs3 Identify and describe properties of quadrilaterals (including the parallelogram, rhombus and trapezium), and classify using parallel sides, equal sides, equal angles.	pages 136–143	pages 114–119	Properties of quadrilaterals, pages 61–65	6.1 Vocabulary on movement 7.1 Properties of quadrilaterals 7.2 Rhombus and parallelograms 7.5 Revision	Identify, describe and classify quadrilaterals: Card sort
6Gs4 Recognise and make 2D representations of 3D shapes including nets.	pages 146–148	pages 124–125		6.1 Vocabulary on movement 7.4 Net	

Cambridge Primary Mathematics Curriculum Framework objectives	Student Book	Workbook	Journal	Digital Student Book	Skills Sheets
6Gs5 Estimate, recognise and draw acute and obtuse angles and use a protractor to measure to the nearest degree.	pages 149–151	pages 126–130		7.3 Angles of a triangle	Measuring angles: Triangles
6Gs6 Check that the sum of the angles in a triangle is 180°, for example, by measuring or paper folding; calculate angles in a triangle or around a point.	pages 152–153	pages 131–135			Measuring angles: Triangles
Position and movement					
6Gp1 Read and plot coordinates in all four quadrants.	pages 124–128	pages 108–111	Coordinates, pages 56–60	6.1 Vocabulary on movement 6.3 Coordinates 6.4 Position 6.5 Revision	Reading and plotting coordinates: Shapes
6Gp2 Predict where a polygon will be after one reflection, where the sides of the shape are not parallel or perpendicular to the mirror line, after one translation or after a rotation through 90° about one of its vertices.	pages 129–133	pages 112–113		6.2 Movement 6.4 Position	Reflection, rotation and translation: Squares
Measure					
Length, mass and capacity					
6Ml1 Select and use standard units of measure. Read and write to two or three decimal places.	pages 90–105	pages 84–97		4.1 Estimating length 4.4 Unit measures	

Cambridge Primary Mathematics Curriculum Framework objectives	Student Book	Workbook	Journal	Digital Student Book	Skills Sheets
6MI2 Convert between units of measurement (kg and g, l and ml, km, m, cm and mm), using decimals to three places, e.g. recognising that 1.245 m is 1 m 24.5 cm.	pages 90–105	pages 84–97	Converting between units of measurement, pages 41–45	4.2 Calculating mentally with conversion 4.3 Capacity 4.4 Unit measures 4.5 Revision	Units of measurement: Converting measures
6MI3 Interpret readings on different scales, using a range of measuring instruments.	pages 90–105	pages 84–97	Interpreting different scales, pages 46–50		Reading scales: Different instruments
6MI4 Draw and measure lines to the nearest centimetre and millimetre.	pages 96–98	pages 92–93			
6MI5 Know imperial units still in common use, e.g. the mile, and approximate metric equivalents.	page 105	pages 96–97		4.5 Revision	
Time					
6Mt1 Recognise and understand the units for measuring time (seconds, minutes, hours, days, weeks, months, years, decades and centuries); convert one unit of time into another.	pages 206–209	pages 180–182		11.2 Calculating dates 11.5 Revision	Converting one unit of time into another: Measuring time
6Mt2 Tell the time using digital and analogue clocks using the 24-hour clock.	pages 206–209	pages 180–182			Using the 24-hour clock: Analogue and digital time
6Mt3 Compare times on digital and analogue clocks, e.g. realise quarter to four is later than 3:40.	pages 206–209	pages 180–182		11.1 24-hour clock	
6Mt4 Read and use timetables using the 24-hour clock.	pages 210–211	pages 193–194		11.1 24-hour clock	

Cambridge Primary Mathematics Curriculum Framework objectives	Student Book	Workbook	Journal	Digital Student Book	Skills Sheets
6Mt5 Calculate time intervals using digital and analogue times.	page 209	pages 188–192			
6Mt6 Use a calendar to calculate time intervals in days, weeks or months.	pages 212–213			11.3 Days and months 11.4 World time	
6Mt7 Calculate time intervals in days, months or years.	pages 212–213	pages 193–194		11.2 Calculating dates	
6Mt8 Appreciate how the time is different in different time zones around the world.	pages 214–215	page 195	Time zones, pages 91–95		
Area and perimeter					
6Ma1 Measure and calculate the perimeter and area of rectilinear shapes.	pages 218–220	pages 196–198	Calculating perimeter and area, pages 96–100	12.1 Concept of area 12.2 Area and perimeter 12.4 Revision 12.5 Area of a square	Measuring shapes: Perimeter Measuring shapes: Area
6Ma2 Estimate the area of an irregular shape by counting squares.	pages 221–223	pages 199–201	Calculating perimeter and area, pages 96–100	12.3 Area of shapes	Measuring shapes: Area
6Ma3 Calculate perimeter and area of simple compound shapes that can be split into rectangles.	pages 224–233	pages 202–207	Calculating perimeter and area, pages 96–100	12.2 Area and perimeter 12.5 Area of a square	Measuring shapes: Area
Handling data					
Organising, categorising and representing data					
6Dh1 Solve a problem by representing, extracting and interpreting data in tables, graphs, charts and diagrams, e.g. line graphs for distance and time; a price 'ready-reckoner' for currency conversion; frequency tables and bar charts with grouped discrete data.	pages 106–114	pages 98–105		5.2 Estimates 5.3 Handling data	Representing, extracting and interpreting data: Line graphs

Cambridge Primary Mathematics Curriculum Framework objectives	Student Book	Workbook	Journal	Digital Student Book	Skills Sheets
6Dh2 Find the mode and range of a set of data from relevant situations, e.g. scientific experiments.	pages 114–120	pages 105–106		5.1 Range and parameters	Finding the average: The mean
6Dh3 Begin to find the median and mean of a set of data.	pages 114–120	pages 105–106		5.1 Range and parameters	Finding the average: The mean
6Dh4 Explore how statistics are used in everyday life.	pages 106–123	pages 98–107	Probability, pages 51–55	5.3 Handling data	Representing, extracting and interpreting data: Line graphs
Probability					
6Db1 Use the language associated with probability to discuss events, to assess likelihood and risk, including those with equally likely outcomes.	pages 121–123	page 107	Probability, pages 51–55	5.1 Range and parameters 5.4 Probabilities	
Problem solving					
Using techniques and skills in solving mathematical problems					
6Pt1 Choose appropriate and efficient mental or written strategies to carry out a calculation involving addition, subtraction, multiplication or division.	pages 72–75, 84–88, 171–174			2.2 Problems involving multiplication 3.5 Revision 4.3 Capacity 9.4 Revision with decimals 9.5 Revision 11.2 Calculating dates	Knowing what digits represent: Making numbers Addition and subtraction facts: Mental addition and subtraction Adding and subtracting 3- and 4-digit numbers: Find the error Multiplication: Word problems

Cambridge Primary Mathematics Curriculum Framework objectives	Student Book	Workbook	Journal	Digital Student Book	Skills Sheets
					Units of measurement: Converting measures Reading and plotting coordinates: Shapes 1- and 2-place decimal numbers: Exploring decimals Simple problems involving ratio: Word problems
6Pt2 Understand everyday systems of measurement in length, weight, capacity, temperature and time and use these to perform simple calculations.	pages 88–105	pages 84–98		4.1 Estimating length 4.3 Capacity 4.5 Revision 9.4 Revision with decimals 9.5 Revision 11.2 Calculating dates 11.3 Days and months	Units of measurement: Converting measures Reading scales: Different instruments Representing, extracting and interpreting data: Line graphs Converting one unit of time into another: Measuring time Using the 24-hour clock: Analogue and digital time
6Pt3 Check addition with a different order when adding a long list of numbers; check when subtracting by using the inverse.	pages 38–42				Addition and subtraction facts: Mental addition and subtraction

Cambridge Primary Mathematics Curriculum Framework objectives	Student Book	Workbook	Journal	Digital Student Book	Skills Sheets
6Pt4 Recognise 2D and 3D shapes and their relationships, e.g. a cuboid has a rectangular cross-section.	pages 136–143, 144–146	pages 114–119, 120–123			Reading and plotting coordinates: Shapes Reflection, rotation and translation: Squares Identify, describe and classify quadrilaterals: Card sort
6Pt5 Estimate and approximate when calculating, e.g. use rounding, and check working.	pages 72–75, 84–88, 171–174			3.5 Revision	Addition and subtraction facts: Mental addition and subtraction Adding and subtracting 3- and 4-digit numbers: Find the error Multiplication: Word problems Converting one unit of time into another: Measuring time Measuring shapes: Area
Using understanding and strategies in solving problems					
6Ps1 Explain why they chose a particular method to perform a calculation and show working.	pages 72–75, 84–88, 171–174			2.2 Problems involving multiplication	Addition and subtraction facts: Mental addition and subtraction Adding and subtracting 3- and 4-digit numbers: Find the error Multiplication: Word problems

Cambridge Primary Mathematics Curriculum Framework objectives	Student Book	Workbook	Journal	Digital Student Book	Skills Sheets
					Units of measurement: Converting measures Equivalent fractions: Dice games Simple problems involving ratio: Word problems Measuring shapes: Perimeter
6Ps2 Deduce new information from existing information and realise the effect that one piece of information has on another.				8.5 Revision with calculator	Addition and subtraction facts: Mental addition and subtraction Divisibility rules: How many? Representing, extracting and interpreting data: Line graphs Reading and plotting coordinates: Shapes Reflection, rotation and translation: Squares Measuring shapes: Area
6Ps3 Use logical reasoning to explore and solve number problems and mathematical puzzles.	pages 5, 33, 83, 170			5.4 Probabilities	Multiplication: Word problems Divisibility rules: How many? Units of measurement: Converting measures Finding the average: The mean

Cambridge Primary Mathematics Curriculum Framework objectives	Student Book	Workbook	Journal	Digital Student Book	Skills Sheets
					Reflection, rotation and translation: Squares 1- and 2-place decimal numbers: Exploring decimals Simple problems involving ratio: Word problems Using the 24-hour clock: Analogue and digital time Measuring shapes: Area
6Ps4 Use ordered lists or tables to help solve problems systematically.	pages 5, 55, 122				Divisibility rules: How many? Finding the average: The mean Measuring angles: Triangles
6Ps5 Identify relationships between numbers and make generalised statements using words, then symbols and letters, e.g. the second number is twice the first number plus 5 (n, $2n + 5$); all the numbers are multiples of 3 minus 1 ($3n - 1$); the sum of angles in a triangle is 180°.	pages 5, 170				Identify relationships between numbers: Number sequences Reflection, rotation and translation: Squares Measuring angles: Triangles Measuring shapes: Perimeter

Cambridge Primary Mathematics Curriculum Framework objectives	Student Book	Workbook	Journal	Digital Student Book	Skills Sheets
6Ps6 Make sense of and solve word problems, single and multi-step (all four operations), and represent them, e.g. with diagrams or on a number line; use brackets to show the series of calculations necessary.	pages 72–75, 84–88, 171–174				Addition and subtraction facts: Mental addition and subtraction Simple problems involving ratio: Word problems
6Ps7 Solve simple word problems involving ratio and direct proportion.	pages 171–173			8.3 Ratio 8.4 Proportion	Reducing fractions to their simplest form: Fraction walls Simple problems involving ratio: Word problems Measuring shapes: Perimeter
6Ps8 Solve simple word problems involving percentages, e.g. find discounted prices.	pages 194–204			10.3 Problem-solving with decimals	Understanding percentages: Percentages and fractions Percentages of shapes and whole numbers: Percentages of an amount

Cambridge Primary Mathematics Curriculum Framework objectives	Student Book	Workbook	Journal	Digital Student Book	Skills Sheets
6Ps9 Make, test and refine hypotheses, explain and justify methods, reasoning, strategies, results or conclusions orally.	pages 33, 37, 83, 170			7.5 Revision	Representing, extracting and interpreting data: Line graphs Finding the average: The mean Reading and plotting coordinates: Shapes Reflection, rotation and translation: Squares Identify, describe and classify quadrilaterals: Card sort Reducing fractions to their simplest form: Fraction walls Simple problems involving ratio: Word problems Recognising and using equivalence: Decimals and fractions Understanding percentages: Percentages and fractions Percentages of shapes and whole numbers: Percentages of an amount Measuring shapes: Perimeter