

Scope & Sequence

New Zealand Curriculum Mathematics and Statistics (2025) Phase 2, Yr 6

Yearly overview

Phase 2: Year 6

Mathletics

Term one			
Week 1	Number	Number structure	Numbers to 100 000 Rounding
Week 2	Number	Rational numbers	Decimals & fractions
Week 3	Measurement	Measuring	Estimate & measure
Week 4	Number	Rational numbers	Fractions 1
Week 5	Number	Operations	Addition & subtraction of whole numbers: Mental strategies 1
Week 6	Number	Operations	Addition & subtraction of whole numbers: Mental strategies 2
Week 7	Number	Number structure Operations	Factors & square numbers Multiplication & division facts
Week 8	Number	Operations	Multiplication of whole numbers: Mental strategies
Week 9	Number	Operations	Division of whole numbers: Mental strategies

Term three			
Week 1	Number	Rational numbers	Fractions, decimals & percentages 1
Week 2	Number	Rational numbers	Fractions, decimals & percentages 2
Week 3	Probability	Probability investigations	Probability: Experimental
Week 4	Probability	Critical thinking in probability	Probability: Theoretical & critical thinking
Week 5	Number	Operations	Order of operations
Week 6	Number	Operations	Properties of multiplication
Week 7	Algebra	Algorithmic thinking	Algorithms
Week 8	Geometry	Shapes Spatial reasoning	3D objects: Prisms, pyramids & nets
Week 9	Measurement	Perimeter, area & volume	Area & volume

Term two			
Week 1	Number	Rational numbers	Fractions 2
Week 2	Number	Rational numbers	Fractions 3
Week 3	Number	Operations Rational numbers	Addition & subtraction of whole numbers: Vertical method Multiply & divide by 10 and 100
Week 4	Measurement	Measuring	Metric units
Week 5	Measurement Geometry	Measuring Shapes	Angles 2D Shapes: Properties
Week 6	Number	Operations	Multiplying & dividing whole numbers: Vertical method
Week 7	Number	Operations	Applications of multiplication & division
Week 8	Number Geometry	Operations Pathways	Scaling quantities Maps & scales
Week 9	Geometry	Spatial reasoning	2D shapes: Transformations & tessellations

Term four			
Week 1	Algebra	Equations & relationships	Solving problems
Week 2	Algebra	Equations & relationships	Patterns
Week 3	Number	Operations Financial mathematics	Add & subtract decimals Percentages
Week 4	Number	Financial mathematics	Solving problems involving purchases Financial plans
Week 5	Measurement	Measuring	Time: Units
Week 6	Measurement	Measuring	Time: Duration
Week 7	Statistics	Problem Plan Data	Data: Pose questions, plan & collect data
Week 8	Statistics	Analysis	Data: Analysis 1
Week 9	Statistics	Analysis Conclusion Statistical literacy	Data: Analysis 2 Conclusions & critical analysis

Number	TERM 1	TERM 2	TERM 3	TERM 4
Number structure				
identify, read, write, compare, and order whole numbers up to 1,000,000, and represent them using base 10 structure	W1			
identify square numbers and factors of numbers up to 125	W7			
Operations				
use rounding, estimation, and inverse operations to predict results and to check the reasonableness of calculations	W5	W7		
round whole numbers to a specified power of 10, and round tenths and hundredths to the nearest whole number or one decimal place	W1, 2			
add and subtract any whole numbers	W5, 6	W3		
recall multiplication facts to at least 10×10 and corresponding division facts	W7			
multiply multi-digit whole numbers (e.g., 54×112)	W8	W6, 7		
divide up to four-digit whole number by a one-digit divisor, with a remainder (e.g., $198 \div 7$; $4154 \div 8$)	W9	W6, 7		
use the order of operations rule with grouping, addition, subtraction, multiplication, and division			W5	
Rational numbers				
identify, read, write, and represent fractions, decimals (to two places), and related percentages		W2		
compare and order fractions, decimals (to two places), and percentages, and convert decimals and percentages to fractions	W2		W1	
multiply and divide numbers by 10 and 100 to make decimals and whole numbers (e.g., $1.3 \times 10 = 13$)		W3		
for fractions with denominators of 2, 3, 4, 5, 6, 8, 10, 12, or 100: <ul style="list-style-type: none"> – compare and order the fractions – identify when two fractions are equivalent – represent the fractions in their simplest form 	W4	W1		
convert between mixed numbers and improper fractions		W1		
– find a fraction or percentage of a whole number where the answer is a whole number (e.g., $\frac{3}{8}$ of 48; 30% of \$150) – identify, from a fractional part of a set, the whole set			W2	
add and subtract fractions with the same or related denominators (e.g., $\frac{1}{4} + \frac{1}{8}$)		W2		
add and subtract whole numbers and decimals to two decimal places (e.g., $250.11 + 135.29 = 385.4$)				W3
use known multiplication and division facts to scale a quantity		W8		

Number	TERM 1	TERM 2	TERM 3	TERM 4
Financial mathematics				
– solve problems involving purchases (e.g., ensuring they have enough money) – create simple financial plans (e.g., shopping lists, a family budget)				W4
calculate 10%, 25%, and 50% of whole-dollar amounts (e.g., 50% of \$280)				W3
Algebra				
Equations & relationships				
form and solve true or false number sentences and open number sentences involving all four operations, using an understanding of equality or inequality (e.g., $8 \times 7 < 8 \times 5 + 8$ (T or F?))				W1
use tables, XY graphs, and diagrams to recognise relationships in a linear pattern, develop a rule for the pattern in words (i.e., that there is a constant amount of change between consecutive elements or terms), and make conjectures about further elements in the pattern				W2
Algorithmic thinking				
create and use algorithms for making decisions that involve clear choices			W7	
Measurement				
Measuring				
estimate and then accurately measure length, mass (weight), capacity, temperature, and duration, using appropriate metric or time-based units or a combination of units	W3			
select and use the appropriate tool for a measurement and the appropriate unit for the attribute being measured	W3			
convert between common metric units for length, mass (weight), and capacity, and use decimals to express parts of wholes in measurements		W4		
visualise, measure, and draw (to the nearest degree) the amount of turn in angles up to 360 degrees		W5		
convert between units of time and solve duration-of-time problems, in both 12- and 24-hour time systems				W5, 6
Perimeter, area & volume				
visualise, estimate, and calculate the area of rectangles and right-angled triangles (in cm^2 and m^2) and the volume of rectangular prisms (in cm^3), by applying multiplication.			W9	

Geometry	TERM 1	TERM 2	TERM 3	TERM 4
Shape				
identify, classify, and explain similarities and differences between: <ul style="list-style-type: none"> – 2D shapes, including different types of triangle – prisms and pyramids 		W5	W8	
identify and describe the interior angles of triangles and quadrilaterals		W5		
Spatial reasoning				
visualise and draw nets for rectangular prisms			W8	
visualise, create, and describe 2D geometric patterns and tessellations, using rotation, reflection, and translation and identifying the properties of shapes that do not change		W9		
Pathways				
– interpret and create grid references and simple scales on maps – use directional language, including the four main compass points, turn (in degrees), and distance (in m, km) to locate and describe positions and pathways.		W8		

Statistics	TERM 1	TERM 2	TERM 3	TERM 4
Problem				
use multivariate data to investigate summary, comparison, and time-series situations, by: <ul style="list-style-type: none"> – posing an investigative question that can be answered with data – making conjectures or assertions about expected findings 				W7
Plan				
plan how to collect primary data or how to use provided data, including identifying the variables of interest and, for provided data: <ul style="list-style-type: none"> – identifying who the data was collected from – identifying the original investigator’s purpose for collecting the data – deciding if the source is reliable (e.g., by checking if survey questions appear to be biased towards a particular point of view) 				W7
Data				
collect primary data and check for errors, and provide information about variables in secondary data (e.g., how data was collected for them and possible outcomes for them)				W7
Analysis				
create and describe a variety of data visualisations to make meaning from the data, identifying features, patterns, and trends in context, and including the variable and group of interest				W8, 9

Statistics	TERM 1	TERM 2	TERM 3	TERM 4
Conclusion				
answer the investigative question, comparing findings with initial conjectures or assertions and their existing knowledge of the world				W9
Statistical literacy				
identify, explain, check, and, if necessary, improve features in others’ data investigations (e.g., biased survey questions, misleading information or statements).				W9
Probability				
Probability investigations				
engage in chance-based investigations, including those with not equally likely outcomes, by: <ul style="list-style-type: none"> – posing an investigative question – anticipating and then identifying possible outcomes for the investigative question – generating all possible ways to get each outcome (a theoretical approach), or undertaking a probability experiment and recording the occurrences of each outcome – creating data visualisations for possible outcomes – describing what these visualisations show – finding probabilities as fractions – answering the investigative question – reflecting on anticipated outcomes – (at year 6) comparing findings from the probability experiment and associated theoretical probabilities, if the theoretical model exists 			W3, 4	
Critical thinking in probability				
identify, explain, and check others’ statements about chance-based investigations, referring to evidence.			W4	

Week overview	Teaching sequence statements	Online activities	Ebooks	
<p>Week 1</p> <p>Numbers to 1 000 000 Rounding</p> <p>Identify, read, write, compare & order Round to a specified power of 10</p>	<p>identify, read, write, compare, and order whole numbers up to 1,000,000, and represent them using base 10 structure</p> <p>round whole numbers to a specified multiple of powers of 10, and round tenths and hundredths to the nearest whole number or one decimal place</p>	<p>NEW COURSES</p> <p>Y6 Number structure: Whole number</p> <ul style="list-style-type: none"> Numbers to 1 000 000 Place value Partitioning Using number lines Rounding whole numbers Compare numbers Order numbers <p>SKILL QUESTS</p> <p>Numbers to 1,000,000</p> <ul style="list-style-type: none"> Read, write, compare & order numbers to 1,000,000 Partitioning numbers up to 1,000,000 <p>Round whole numbers to powers of 10</p> <ul style="list-style-type: none"> Rounding whole numbers to powers of 10 <p>ACTIVITIES (COURSES)</p> <p>Number structure: Whole number & place value</p> <ul style="list-style-type: none"> Place Value – Millions Numbers from Words to Digits 2 Expanded Notation Partition and Rename 3 Rounding Numbers Nearest 1000? <p>Rational numbers: Fractions & decimals</p> <ul style="list-style-type: none"> Nearest Whole Number 	<p>Y6-F Reading and Understanding Whole Numbers</p> <ul style="list-style-type: none"> Looking at whole numbers (pp 1–8) Place value of whole numbers (pp 9–16) Round and estimate (pp 17–18) 	
<p>Week 2</p> <p>Decimals & fractions</p> <p>Identify, read, write & represent decimals Convert decimals & fractions Round decimals Compare & order decimals</p>	<p>identify, read, write, and represent fractions, decimals (to two places), and related percentages</p> <p>compare and order fractions, decimals (to two places), and percentages and convert decimals, and percentages to fractions</p> <p>round whole numbers to a specified multiple of powers of 10, and round tenths and hundredths to the nearest whole number or one decimal place</p>	<p>NEW COURSES</p> <p>Y6 Rational numbers: Decimals</p> <ul style="list-style-type: none"> Tenths Hundredths Decimals on the number line Order and compare decimals <p>SKILL QUESTS</p> <p>Use fractions, decimals & percentages</p> <ul style="list-style-type: none"> Reviewing tenths & hundredths <p>ACTIVITIES (COURSES)</p> <p>Rational numbers: Fractions & decimals</p> <ul style="list-style-type: none"> Ordering Fractions 1 Decimals from Words to Digits 1 Decimal place value Decimal Order 1 	<p>Y6-F Fractions, Decimals and Percentages</p> <ul style="list-style-type: none"> Fractions, decimals and percentages (pp 17–19) 	
<p>Week 3</p> <p>Estimate & measure</p> <p>Estimate & measure:</p> <ul style="list-style-type: none"> length mass (weight) capacity temperature 	<p>estimate and then accurately measure length, mass (weight), capacity, temperature, and duration, using appropriate metric or time-based units or a combination of units</p> <p>select and use the appropriate tool for a measurement and the appropriate unit for the attribute being measured</p>	<p>SKILL QUESTS</p> <p>Length in mm, cm, m, km</p> <ul style="list-style-type: none"> Working with lengths in mm, cm, m Measuring & recording in mm, cm, m, km Comparing & ordering lengths in mm, cm, m, km <p>Select appropriate units of length</p> <ul style="list-style-type: none"> Selecting appropriate units of length <p>Mass in g, kg, & t</p> <ul style="list-style-type: none"> Measuring & recording in g, kg & t Comparing & ordering mass in g & kg <p>Temperature in Celsius</p> <ul style="list-style-type: none"> Measuring & recording temperature <p>Volume in mL & L</p> <ul style="list-style-type: none"> Estimating & measuring in mL & L 	<p>ACTIVITIES (COURSES)</p> <p>Equations & relationships</p> <ul style="list-style-type: none"> Increasing patterns 	<p>Y6-F Length, Perimeter and Area</p> <ul style="list-style-type: none"> Units of length (pp 1, 7) <p>Y7-S Length, Perimeter and Area</p> <ul style="list-style-type: none"> Units of length (pp 5–6) <p>Y6-F Volume, Capacity and Mass</p> <ul style="list-style-type: none"> Volume and capacity (p 5) Mass (p 9)
<p>Week 4</p> <p>Fractions 1</p> <p>Identify, read, write, represent, compare & order fractions</p>	<p>for fractions with denominators of 2, 3, 4, 5, 6, 8, 10, 12, or 100:</p> <ul style="list-style-type: none"> compare and order the fractions identify when two fractions are equivalent represent the fractions in their simplest form 	<p>NEW COURSES</p> <p>Y6 Rational numbers: Fractions</p> <ul style="list-style-type: none"> Represent fractions Types of fractions Compare and order fractions with like denominators <p>SKILL QUESTS</p> <p>Compare & order fractions</p> <ul style="list-style-type: none"> Comparing & ordering unit fractions Comparing fractions with the same numerators Comparing & ordering fractions 	<p>CHALLENGES</p> <p>Number & Algebra: Fractions LEVEL 3–5</p> <ul style="list-style-type: none"> Drinking equivalent fractions (DOK 3) 	<p>Y6-F Fractions, Decimals and Percentages</p> <ul style="list-style-type: none"> Fractions (pp 1–3, 5–7)

Week overview	Teaching sequence statements	Online activities		Ebooks	
<p>Week 5</p> <p>Addition & subtraction of whole numbers: Mental strategies 1</p> <p>Round & estimate to check Use inverse operations to check Add & subtract using place value & partitioning</p>	<p>use rounding, estimation, and inverse operations to predict results and to check the reasonableness of calculations</p> <p>add and subtract any whole numbers</p>	<p>SKILL QUESTS</p> <p>Round & estimate to check calculations</p> <ul style="list-style-type: none"> • Rounding & estimating with addition & subtraction <p>Add & subtract any whole numbers</p> <ul style="list-style-type: none"> • Adding & subtracting using partitioning • Adding & subtracting using bar models 	<p>ACTIVITIES (COURSES)</p> <p>Operations: Addition & subtraction</p> <ul style="list-style-type: none"> • Estimate Sums • Estimate Differences • Split Add and Subtract • Bump Add and Subtract • Jump Add and Subtract • Addition properties 	<p>Y6-F Reading and Understanding Whole Numbers</p> <ul style="list-style-type: none"> • Round and estimate (pp 19–21) <p>Y6-F Addition and Subtraction</p> <ul style="list-style-type: none"> • Addition mental strategies (pp 1–4) • Subtraction mental strategies (pp 9–12) 	
<p>Week 6</p> <p>Addition & subtraction of whole numbers: Mental strategies 2</p> <p>Rounding and compensation Efficient mental strategies Applications: Review perimeter</p>	<p>add and subtract any whole numbers</p>	<p>SKILL QUESTS</p> <p>Add & subtract any whole numbers</p> <ul style="list-style-type: none"> • Subtracting using equal adjustments • Adding & subtracting using compensation • Choosing efficient mental strategies 	<p>ACTIVITIES (COURSES)</p> <p>Operations: Addition & subtraction</p> <ul style="list-style-type: none"> • Compensation – Add • Compensation – Subtract <p>Measuring, perimeter, area, volume & time</p> <ul style="list-style-type: none"> • Perimeter: Squares and Rectangles 	<p>Y6-F Addition and Subtraction</p> <ul style="list-style-type: none"> • Addition mental strategies (pp 5–8) • Subtraction mental strategies (pp 13–16) <p>Y7-G Addition and Subtraction</p> <ul style="list-style-type: none"> • Applying strategies (pp 11, 13, 16) <p>Y6-F Length, Perimeter and Area</p> <ul style="list-style-type: none"> • Perimeter (pp 17–20) 	
<p>Week 7</p> <p>Factors & square numbers Multiplication & division facts</p> <p>Identify square numbers Identify factors of numbers up to 125 Recall multiplication facts up to 10 x 10 and corresponding division facts</p>	<p>identify square numbers and factors of numbers up to 125</p> <p>recall multiplication facts to at least 10 x 10 and corresponding division facts</p>	<p>SKILL QUESTS</p> <p>Identify square numbers & factors</p> <ul style="list-style-type: none"> • Identifying square numbers • Factors up to 100 <p>Recall mult/div facts to 10 x 10</p> <ul style="list-style-type: none"> • Recall multiplication & division facts to 10 x 10 	<p>ACTIVITIES (COURSES)</p> <p>Operations: Multiplication & division</p> <ul style="list-style-type: none"> • Times tables • Division Facts to Twelve • Multiples of • Factors 	<p>Y6-F Multiplication and Division</p> <ul style="list-style-type: none"> • Mental multiplication strategies (pp 9, 10) 	
<p>Week 8</p> <p>Multiplication of whole numbers: Mental strategies</p> <p>Mental strategies</p>	<p>multiply multi-digit whole numbers (e.g., 54 x 112)</p>	<p>NEW COURSES</p> <p>COMING SOON:</p> <p>Y6 Operations: Multiplication and division</p> <ul style="list-style-type: none"> • Multiplication strategies • Multiples and powers of 10 x • Multiply by one digit • Multiply by two digits 	<p>SKILL QUESTS</p> <p>Use mental strategies to multiply</p> <ul style="list-style-type: none"> • Multiplying using an area model • Multiply by doubling/halving & tripling/thirding • Multiply using factorising 	<p>ACTIVITIES (COURSES)</p> <p>Operations: Multiplication and division</p> <ul style="list-style-type: none"> • Mental Methods Multiplication 1 • Double and Halve to Multiply • Multiply More Multiples of 10 • Multiply: 1-Digit Number • Grid Methods 2 • Grid Methods 3 	<p>Y6-F Multiplication and Division</p> <ul style="list-style-type: none"> • Mental multiplication strategies (pp 1, 2, 4–8)
<p>Week 9</p> <p>Division of whole numbers: Mental strategies</p> <p>Mental strategies</p>	<p>divide up to four-digit whole numbers by a one-digit divisor, with a remainder (e.g., 198 ÷ 7; 4154 ÷ 8)</p>	<p>NEW COURSES</p> <p>COMING SOON:</p> <p>Y6 Operations: Multiplication and division</p> <ul style="list-style-type: none"> • Multiples and powers of 10 ÷ • Division strategies • Division • Division with remainders 	<p>SKILL QUESTS</p> <p>Division mental strategies</p> <ul style="list-style-type: none"> • Division with remainders 3-digit by 1-digit • Dividing using factors • Dividing using partitioning • Choosing efficient strategies to divide 	<p>ACTIVITIES (COURSES)</p> <p>Operations: Multiplication and division</p> <ul style="list-style-type: none"> • Mental Methods Division 1 • Remainders by Tables • Fact Families: Multiply and Divide • Rounding Numbers for Division 	<p>Y6-F Multiplication and Division</p> <ul style="list-style-type: none"> • Mental division strategies (pp 9–12, 14–17)

Week overview	Teaching sequence statements	Online activities	Ebooks	
<p>Week 1</p> <hr/> <p>Fractions 2</p> <hr/> <p>Equivalent fractions Simplify fractions Convert between mixed numbers and improper fractions</p>	<p>for fractions with denominators of 2, 3, 4, 5, 6, 8, 10, 12, or 100: – compare and order the fractions – identify when two fractions are equivalent – represent the fractions in their simplest form</p> <p>convert between improper fractions and mixed numbers</p>	<p>NEW COURSES</p> <p>Y6 Rational numbers: Fractions</p> <ul style="list-style-type: none"> Equivalent fractions Simplify fractions Compare and order fractions <p>SKILL QUESTS</p> <p>Equivalent fractions</p> <ul style="list-style-type: none"> Find equivalent fractions up to & greater than 1 <p>Simplify fractions</p> <ul style="list-style-type: none"> Simplifying fractions <p>Improper fractions & mixed numbers</p> <ul style="list-style-type: none"> Exploring fractions greater than 1 Converting improper fractions & mixed numbers 	<p>ACTIVITIES (COURSES)</p> <p>Rational numbers: Fractions & decimals</p> <ul style="list-style-type: none"> The Equivalent Fraction Simplify Fractions Identifying Fractions Beyond 1 Mixed and improper fractions on the number line 	<p>Y6-F Fraction, Decimals and Percentages</p> <ul style="list-style-type: none"> Types of fractions (pp 9–16) Calculating (p 34)
<p>Week 2</p> <hr/> <p>Fractions 3</p> <hr/> <p>Add & subtract fractions with the same or related denominators</p>	<p>add and subtract fractions with the same or related denominators (e.g., $\frac{1}{4} + \frac{1}{8}$)</p>	<p>NEW COURSES</p> <p>Y6 Rational numbers: Fractions</p> <ul style="list-style-type: none"> Add and subtract fractions Add related fractions Subtract related fractions <p>SKILL QUESTS</p> <p>Add/subtract fractions same denominator</p> <ul style="list-style-type: none"> Add/subtract fractions over 1 whole (models) Adding/subtracting fractions – same denominators Add/subtract mixed numbers – same denominators <p>Add & subtract fractions</p> <ul style="list-style-type: none"> Add & subtract fractions – related denominators Add & subtract mixed num – related denominators 	<p>ACTIVITIES (COURSES)</p> <p>Rational numbers: Fractions & decimals</p> <ul style="list-style-type: none"> Add: Common Denominator Subtract: Common Denominator Add: No Common Denominator Subtract: No Common Denominator 	<p>Y6-F Fraction, Decimals and Percentages</p> <ul style="list-style-type: none"> Calculating (pp 26–29)
<p>Week 3</p> <hr/> <p>Addition & subtraction of whole numbers: Vertical method</p> <p>Multiply & divide by 10 & 100</p> <hr/> <p>Vertical methods Solve word problems Multiply & divide by 10 & 100</p>	<p>add and subtract any whole numbers multiply and divide numbers by 10 and 100 to make decimals and whole numbers (e.g., $1.3 \times 10 = 13$)</p>	<p>NEW COURSES</p> <p>Y6 Rational numbers: Decimals</p> <ul style="list-style-type: none"> Multiply or divide by 10 or 100 <p>SKILL QUESTS</p> <p>Add & subtract any whole numbers</p> <ul style="list-style-type: none"> Addition using formal algorithm Subtraction using formal algorithm Addition & subtraction word problems <p>Multiply & divide numbers by 10 & 100</p> <ul style="list-style-type: none"> Dividing whole numbers by 10 & 100 Multiplying whole numbers by 10 & 100 	<p>ACTIVITIES (COURSES)</p> <p>Operations: Addition & subtraction</p> <ul style="list-style-type: none"> Add Numbers: Regroup a Ten Add Multi-Digit Numbers 2 2-digit Differences: Regroup Column Subtraction <p>Operations: Multiplication & division</p> <ul style="list-style-type: none"> Multiplying Whole Numbers by 10, 100, and 1000 Dividing by 10, 100, 1000 	<p>Y6-F Addition and Subtraction</p> <ul style="list-style-type: none"> Written methods (pp 17–20, 23, 25) <p>Y6-F Multiplication and Division</p> <ul style="list-style-type: none"> Mental division strategies (pp 3, 13)
<p>Week 4</p> <hr/> <p>Converting between common metric units</p> <hr/> <p>Convert between common metric units Solve problems</p>	<p>convert between common metric units for length, mass (weight), and capacity; and use decimals to express parts of wholes in measurements</p>	<p>SKILL QUESTS</p> <p>Converting metric units of measure</p> <ul style="list-style-type: none"> Converting between mm, cm, m, km Converting between g & kg Converting between mL & L Solving conversion measurement problems <p>Mass in g, kg, & t</p> <ul style="list-style-type: none"> Solving mass problems <p>Volume in mL & L</p> <ul style="list-style-type: none"> Solving problems with mL & L 	<p>ACTIVITIES (COURSES)</p> <p>Measuring, perimeter, area, volume & time</p> <ul style="list-style-type: none"> Centimetres and Metres Converting cm and mm Grams and Kilograms Conversion 	<p>Y6-F Length, Perimeter and Area</p> <ul style="list-style-type: none"> Units of length (pp 2–6, 8) Travelling far (pp 9–10) <p>Y6-F Volume, Capacity and Mass</p> <ul style="list-style-type: none"> Volume and capacity (pp 1–2) Mass (pp 10–12, 15–16)

Week overview	Teaching sequence statements	Online activities	Ebooks
<p>Week 5</p> <p>Angles 2D Shape: Properties</p> <p>Review classifying angles Visualise, measure & draw angles Classify between 2D shapes Identify interior angles & angle sum of triangles & quadrilaterals</p>	<p>visualise, measure, and draw (to the nearest degree), the amount of turn in angles up to 360 degrees</p> <p>identify, classify and explain similarities and differences between: – 2D shapes, including different types of triangles – prisms and pyramids</p> <p>identify and describe the interior angles of triangles and quadrilaterals</p>	<p>SKILL QUESTS</p> <p>Measure & draw turn in angles</p> <ul style="list-style-type: none"> Review: classifying angles Measuring & drawing turn in angles <p>Identify & classify 2D shapes</p> <ul style="list-style-type: none"> Classifying 2D shapes Classifying quadrilaterals <p>Classify triangles by angles</p> <ul style="list-style-type: none"> Classifying triangles <p>ACTIVITIES (COURSES)</p> <p>Measuring, perimeter, area, volume & time</p> <ul style="list-style-type: none"> What Type of Angle? Measuring Angles <p>Shape, space & pathways</p> <ul style="list-style-type: none"> Collect More Shapes Sides, Angles and Diagonals Triangle – Tasters Angles of Revolution: Unknown Values 	<p>Y6-F Geometry</p> <ul style="list-style-type: none"> Lines and angles (pp 1–5) 2D shapes (pp 7–12, 15) <p>Y7-S Geometry</p> <ul style="list-style-type: none"> 2D shapes (pp 10–12)
<p>Week 6</p> <p>Multiplying & dividing whole numbers: Vertical method</p> <p>Vertical methods with whole numbers</p>	<p>multiply multi-digit whole numbers (e.g., 54×112)</p> <p>divide up to four-digit whole numbers by a one-digit divisor, with a remainder (e.g., $198 \div 7$; $4154 \div 8$)</p>	<p>NEW COURSES</p> <p>COMING SOON: Y6 Operations: Multiplication and division</p> <ul style="list-style-type: none"> Division <p>SKILL QUESTS</p> <p>Use written strategies to multiply</p> <ul style="list-style-type: none"> Multiplying using contracted algorithm Multiplying using extended algorithm <p>Division written strategies</p> <ul style="list-style-type: none"> Dividing using extended algorithm Dividing using contracted algorithm 1 Dividing using contracted algorithm 2 	<p>Y6-F Multiplication and Division</p> <ul style="list-style-type: none"> Written methods (pp 20–25)
<p>Week 7</p> <p>Applications of multiplication & division</p> <p>Solve problems</p>	<p>multiply multi-digit whole numbers (e.g., 54×112)</p> <p>divide up to four-digit whole numbers by a one-digit divisor, with a remainder (e.g., $198 \div 7$; $4154 \div 8$)</p> <p>use rounding, estimation, and inverse operations to predict results and to check the reasonableness of calculations</p>	<p>NEW COURSES</p> <p>COMING SOON: Y6 Operations: Multiplication and division</p> <ul style="list-style-type: none"> Problem solving with $\times \div$ <p>SKILL QUESTS</p> <p>Solve multiplication word problems</p> <ul style="list-style-type: none"> Solving multiplication word problems <p>Solve division word problems</p> <ul style="list-style-type: none"> Solving division word problems <p>Use inverse operations – mult/div</p> <ul style="list-style-type: none"> Using inverse operations to solve problems <p>Multiply & divide using estimation</p> <ul style="list-style-type: none"> Rounding & estimating multiplication & division 	<p>Y6-F Reading and Understanding Whole Numbers</p> <ul style="list-style-type: none"> Round and estimate (p 22) <p>Y6-F Multiplication and Division</p> <ul style="list-style-type: none"> Written methods (p 26)
<p>Week 8</p> <p>Scaling quantities Maps & scales</p> <p>Scale a quantity Grid references Use simple scales on maps Directional language</p>	<p>use known multiplication and division facts to scale a quantity</p> <p>interpret and create grid references and simple scales on maps</p> <p>use directional language, including the four main compass points, turn (in degrees), and distance (in m, km), to locate and describe positions and pathways</p>	<p>SKILL QUESTS</p> <p>Use known mult/div facts to scale</p> <ul style="list-style-type: none"> Using known facts to scale a quantity <p>Grid references & scales on maps</p> <ul style="list-style-type: none"> Use simple scales on maps Using grid references & coordinates <p>Positions & pathways</p> <ul style="list-style-type: none"> Using cardinal compass directions <p>ACTIVITIES (COURSES)</p> <p>Shape, space & pathways</p> <ul style="list-style-type: none"> What direction was that? More Directions! Coordinate Graphs: 1st Quadrant Scale 	<p>Y6-F Position</p> <ul style="list-style-type: none"> Spatial orientation (pp 3–6) Coordinates (pp 7–12) Directions (pp 13–16)
<p>Week 9</p> <p>2D Shapes: Transformations & tessellations</p> <p>Rotate, reflect & translate Create & describe patterns & tessellations</p>	<p>visualise, create, and describe 2D geometric patterns and tessellations using rotation, reflection, and translation, and identifying the properties of shapes that do not change</p>	<p>SKILL QUESTS</p> <p>Rotation, reflection & translation</p> <ul style="list-style-type: none"> Identify shapes & designs with rotational symmetry Understanding the order of rotational symmetry Recognising tessellations Creating patterns using translation Identifying combinations of transformations <p>ACTIVITIES (COURSES)</p> <p>Shape, space & pathways</p> <ul style="list-style-type: none"> Symmetry or Not? Rotational Symmetry Transformations Scale Factor 	<p>Y6-F Geometry</p> <ul style="list-style-type: none"> Transformation, tessellation and symmetry (pp 16–24)

Week overview	Teaching sequence statements	Online activities	Ebooks
<p>Week 1</p> <p>Fractions, decimals & percentages 1</p> <p>Identify, read, write, and represent related percentages Compare, order and convert fractions, decimals and percentages</p>	<p>compare and order fractions, decimals (to two places), and percentages and convert decimals, and percentages to fractions</p>	<p>NEW COURSES</p> <p>Y6 Rational numbers: Percentages</p> <ul style="list-style-type: none"> Introduction to percentages Representing percentages Compare percentages Fractions and percentages Decimals, fractions and percentages <p>SKILL QUESTS</p> <p>Use fractions, decimals & percentages</p> <ul style="list-style-type: none"> Introducing percentages <p>Convert fractions, decimals & percents</p> <ul style="list-style-type: none"> Converting fractions & decimals to percentages Compare & order fractions, decimals & percentages Relationship – fractions, decimals & percentages <p>ACTIVITIES (COURSES)</p> <p>Rational numbers: Fractions, decimals & percents</p> <ul style="list-style-type: none"> Match Decimals and Percentages Fractions to Percentages (Non-Calculator) Percentages to Fractions (with and without simplification) Decimals to percentages Percentages to Decimals 	<p>Y6-F Fraction, Decimals and Percentages</p> <ul style="list-style-type: none"> Fractions, decimals and percentages (pp 22, 24)
<p>Week 2</p> <p>Fractions, decimals & percentages 2</p> <p>Find a fraction or percentage of a whole number Identify, from a fractional part of a set, the whole set</p>	<p>find a fraction or percentage of a whole number where the answer is a whole number (e.g., $\frac{2}{3}$ of 48; 30% of \$150) identify, from a fractional part of a set, the whole set</p>	<p>NEW COURSES</p> <p>Y6 Rational numbers: Fractions</p> <ul style="list-style-type: none"> Problem-solving with fractions Find a fraction of an amount Problem-solving fractions of amounts <p>Y6 Rational numbers: Percentages</p> <ul style="list-style-type: none"> Expressing as a percentage Percentages of an amount <p>SKILL QUESTS</p> <p>Find a fraction of a whole number</p> <ul style="list-style-type: none"> Finding a fraction of a whole number <p>Finding a percentage of a whole number</p> <ul style="list-style-type: none"> Find a percentage of a whole number <p>Identify whole set from a fraction</p> <ul style="list-style-type: none"> Identifying a whole set from a fraction <p>ACTIVITIES (COURSES)</p> <p>Rational numbers: Fractions & decimals</p> <ul style="list-style-type: none"> Fraction Word Problems <p>Rational numbers: Fractions, decimals & percents</p> <ul style="list-style-type: none"> Calculating percentages (Mental) Percentage of an amount using Fractions (<100%) 	<p>Y6-F Fraction, Decimals and Percentages</p> <ul style="list-style-type: none"> Fractions (pp 4, 8)
<p>Week 3</p> <p>Probability: Experimental</p> <p>Engage in chance-based experimental investigations, including those with not equally likely outcomes</p>	<p>engage in chance-based investigations, including those with not equally likely outcomes ...</p>	<p>ACTIVITIES (COURSES)</p> <p>Statistics & probability</p> <ul style="list-style-type: none"> Chance Dial How many Combinations? <p>CHALLENGES</p> <p>Chance & Probability</p> <p>LEVEL 3–5</p> <ul style="list-style-type: none"> Pulling marbles (DOK 3) <p>LEVEL 4–6</p> <ul style="list-style-type: none"> Ordering probabilities (DOK 3) Healthy lunch (DOK 2) 	<p>Y6-F Chance and Probability</p> <ul style="list-style-type: none"> Chance and Probability (pp 5–6, 8–10)
<p>Week 4</p> <p>Probability: Theoretical & critical thinking</p> <p>Engage in chance-based theoretical investigations, including those with not equally likely outcomes Compare experimental & theoretical probability findings Identify, explain and check others' statements</p>	<p>engage in chance-based investigations, including those with not equally likely outcomes ... identify, explain, and check others' statements about chance-based investigations, referring to evidence</p>	<p>SKILL QUESTS</p> <p>Chance based investigations</p> <ul style="list-style-type: none"> Investigating chance experiments Understanding fair/unfair in chance experiments Describing chance events using fractions Compare experimental & theoretical probabilities <p>ACTIVITIES (COURSES)</p> <p>Statistics & probability</p> <ul style="list-style-type: none"> Simple Probability 1 Complementary Events 	<p>Y6-F Chance and Probability</p> <ul style="list-style-type: none"> Chance and Probability (pp 1–4, 7)

Week overview	Teaching sequence statements	Online activities	Ebooks
<p>Week 5</p> <p>Order of operations</p> <p>Use order of operations rule Decode and solve word problems Explain the commutative, associative, and identify properties</p>	<p>use the order of operations rule with grouping, addition, subtraction, multiplication, and division</p>	<p>SKILL QUESTS</p> <p>Use the order of operations rule</p> <ul style="list-style-type: none"> Solving equations using order of operations <p>ACTIVITIES (COURSES)</p> <p>Operations: Multiplication & division</p> <ul style="list-style-type: none"> Order of operations 1 	<p>Y7-5 Patterns and Algebra</p> <ul style="list-style-type: none"> Properties of arithmetic (pp 34–41)
<p>Week 6</p> <p>Properties of multiplication</p> <p>Multiply multi-digit whole numbers (e.g., 54×112)</p>	<p>Commutative, associative, identify and distributive property of multiplication</p>	<p>SKILL QUESTS</p> <p>Properties of multiplication</p> <ul style="list-style-type: none"> Using the commutative property Using the associative property Using the identify property Using the distributive property <p>ACTIVITIES (COURSES)</p> <p>Operations: Multiplication & division</p> <ul style="list-style-type: none"> Multiplication Properties 	
<p>Week 7</p> <p>Algorithms</p> <p>Create and use algorithms for making decisions that involve clear choices</p>	<p>create and use algorithms for making decisions that involve clear choices</p>	<p>SKILL QUESTS</p> <p>Create & use algorithms</p> <ul style="list-style-type: none"> Manipulating numbers using a given rule Designing flowcharts to solve add/sub of fractions Factors & multiples 	<p>Y6-F Patterns and Algebra</p> <ul style="list-style-type: none"> Patterns and functions (pp 7, 8, 11, 12) Using equations (pp 26–28)
<p>Week 8</p> <p>3D objects: Prisms, pyramids & nets</p> <p>Compare prisms & pyramids Visualise & draw nets for rectangular prisms</p>	<p>identify, classify and explain similarities and differences between:</p> <ul style="list-style-type: none"> – 2D shapes, including different types of triangles – prisms and pyramids <p>visualise and draw nets for rectangular prisms</p>	<p>SKILL QUESTS</p> <p>Identify & classify prisms & pyramids</p> <ul style="list-style-type: none"> Comparing & naming prisms Comparing & naming pyramids Comparing prisms & pyramids <p>Explore nets of rectangular prisms</p> <ul style="list-style-type: none"> Exploring nets of rectangular prisms <p>ACTIVITIES (COURSES)</p> <p>Shape, space & pathways</p> <ul style="list-style-type: none"> Collect the Objects 2 Faces, Edges and Vertices of 3D Shapes 	<p>Y6-F Geometry</p> <ul style="list-style-type: none"> 3D shapes (pp 25–28, 32) <p>Y7-5 Geometry</p> <ul style="list-style-type: none"> 3D shapes (p 28)
<p>Week 9</p> <p>Area & volume</p> <p>Area of rectangles & right-angled triangles Volume of rectangular prisms</p>	<p>visualise, estimate, and calculate the area of rectangles and right-angled triangles (in cm^2 and m^2) and the volume of rectangular prisms (in cm^3), by applying multiplication</p>	<p>SKILL QUESTS</p> <p>Use multiplication to calculate area</p> <ul style="list-style-type: none"> Calculating area of rectangles Calculating area of right-angled triangles <p>Use multiplication to calculate volume</p> <ul style="list-style-type: none"> Using multiplication to calculate volume <p>ACTIVITIES (COURSES)</p> <p>Measuring, perimeter, area, volume & time</p> <ul style="list-style-type: none"> Area: Squares and Rectangles Volume of Solids and Prisms – 1cm blocks Volume: Rectangular Prisms 1 	<p>Y6-F Length, Perimeter and Area</p> <ul style="list-style-type: none"> Area (pp 25–27, 29–32) <p>Y7-5 Length, Perimeter and Area</p> <ul style="list-style-type: none"> Area (pp 16, 18) <p>Y6-F Volume, Capacity and Mass</p> <ul style="list-style-type: none"> Volume and capacity (pp 3–4, 7–8) <p>Y7-5 Volume, Capacity and Mass</p> <ul style="list-style-type: none"> Volume and capacity (pp 3–4)

Week overview	Teaching sequence statements	Online activities	Ebooks
<p>Week 1</p> <p>Solving problems</p> <p>Form & solve true or false number sentences & open number sentences</p>	<p>form and solve true or false number sentences and open number sentences involving all four operations, using equality or inequality (e.g., $8 \times 7 < 8 \times 5$ (T or F?))</p>	<p>SKILL QUESTS</p> <p>Use equality & inequality</p> <ul style="list-style-type: none"> Review: Representing & solving problems Using equality & inequality to solve problems <p>ACTIVITIES (COURSES)</p> <p>Equations & relationships</p> <ul style="list-style-type: none"> Missing Numbers: x and ÷ facts Equivalent Facts: Multiply Find the Missing Number 2 Missing Values Magic Symbols 1 	<p>Y6-F Patterns and Algebra</p> <ul style="list-style-type: none"> Equations and equivalence (pp 13–20) Using equations (pp 21–25)
<p>Week 2</p> <p>Patterns</p> <p>Recognise relationships in a linear pattern Identify & use pattern rules Make conjectures about further elements in a pattern</p>	<p>use tables, XY graphs, and diagrams to recognise relationships in a linear pattern, develop a rule for the pattern in words (i.e., that there is a constant amount of change between consecutive elements or terms), and make conjectures about further elements in the pattern</p>	<p>SKILL QUESTS</p> <p>Use tables of values</p> <ul style="list-style-type: none"> Model/record patterns using tables of values <p>Identify & represent linear patterns</p> <ul style="list-style-type: none"> Identifying & representing linear patterns <p>ACTIVITIES (COURSES)</p> <p>Equations & relationships</p> <ul style="list-style-type: none"> Table of Values Pick the Next Number 	<p>Y6-F Patterns and Algebra</p> <ul style="list-style-type: none"> Patterns and functions (pp 1–6, 9, 10)
<p>Week 3</p> <p>Add & subtract decimals Percentages</p> <p>Add & subtract whole numbers & decimals Calculate 10%, 25% and 50% of whole dollar amounts</p>	<p>add and subtract whole numbers and decimals to two decimal places (e.g., $250.11 + 135.29 = 385.4$) calculate 10%, 25%, and 50% of whole dollar amounts (e.g., 50% of \$280)</p>	<p>NEW COURSES</p> <p>Y6 Rational numbers: Decimals</p> <ul style="list-style-type: none"> Add decimals Subtract decimals <p>SKILL QUESTS</p> <p>Add/sub whole numbers & decimals</p> <ul style="list-style-type: none"> Adding & subtracting whole numbers & decimals Adding/subtracting decimals word problems <p>Calculate percents of amounts</p> <ul style="list-style-type: none"> Calculating 10%, 25% & 50% of whole dollar amounts <p>ACTIVITIES (COURSES)</p> <p>Rational numbers: Fractions & decimals</p> <ul style="list-style-type: none"> Decimal Complements Add decimals 1 Subtract decimals 1 	<p>Y6-F Addition and Subtraction</p> <ul style="list-style-type: none"> Written methods (pp 21, 22) <p>Y6-F Fractions, Decimals and Percentages</p> <ul style="list-style-type: none"> Calculating (pp 30–33)
<p>Week 4</p> <p>Solving problems involving purchases Financial plans</p> <p>Solve problems involving purchases, totals & change Create simple financial plans</p>	<p>solve problems involving purchases (e.g., ensuring they have enough money) create simple financial plans (e.g., shopping lists, a family budget)</p>	<p>SKILL QUESTS</p> <p>Financial maths</p> <ul style="list-style-type: none"> Solving problems involving purchases Creating simple financial plans <p>ACTIVITIES (COURSES)</p> <p>Operations: Addition & subtraction</p> <ul style="list-style-type: none"> Budgeting 	<p>Y7-G Addition and Subtraction</p> <ul style="list-style-type: none"> Written methods (pp 25, 27) <p>Y6-F Multiplication and Division</p> <ul style="list-style-type: none"> Written methods (pp 27, 28)

Week overview	Teaching sequence statements	Online activities	Ebooks
<p>Week 5</p> <p>Time: Units</p> <p>Review telling time Convert between units of time Convert between 12- and 24-hour time systems</p>	<p>convert between units of time and solve duration-of-time problems, in both 12- and 24-hour time systems</p>	<p>SKILL QUESTS</p> <p>Convert units of time</p> <ul style="list-style-type: none"> Review: Converting units of time Converting units of time using 24-hour time <p>ACTIVITIES (COURSES)</p> <p>Measuring, perimeter, area, volume & time</p> <ul style="list-style-type: none"> 24 Hour Time Time Conversions: Whole Numbers 2 Time Conversions: Simple fractions 	<p>Y6-F Time</p> <ul style="list-style-type: none"> Measuring time (pp 1–8)
<p>Week 6</p> <p>Time: Duration</p> <p>Solve duration-of-time problems</p>	<p>convert between units of time and solve duration-of-time problems, in both 12- and 24-hour time systems</p>	<p>SKILL QUESTS</p> <p>Solve elapsed time problems</p> <ul style="list-style-type: none"> Solving elapsed time problems Using timetables <p>ACTIVITIES (COURSES)</p> <p>Measuring, perimeter, area, volume & time</p> <ul style="list-style-type: none"> Using Timetables 	<p>Y6-F Time</p> <ul style="list-style-type: none"> Calculating time (pp 9–14) Timetables (pp 15–20)
<p>Week 7</p> <p>Data: Pose questions, plan & collect data</p> <p>Pose summary, comparison & time-series questions Develop & closely examine survey or data-collection questions Collect, record & sort data Identify errors in data</p>	<p>use multivariate data to investigate summary, comparison, and time-series situations, by:</p> <ul style="list-style-type: none"> – posing an investigative question that can be answered with data – making conjectures or assertions about expected findings <p>plan how to collect primary data or how to use provided data ...</p> <p>collect primary data and check for errors, and provide information about variables in secondary data ...</p>	<p>SKILL QUESTS</p> <p>Collect & sort data</p> <ul style="list-style-type: none"> Understanding how to collect & sort data 	<p>Y6-F Data Representation</p> <ul style="list-style-type: none"> Collecting and analysing data (pp 18, 22–23)
<p>Week 8</p> <p>Data: Analysis 1</p> <p>Create & describe a variety of data visualisations:</p> <ul style="list-style-type: none"> Strip graphs Bar graphs Line graphs Dot plots Side-by-side graphs Back-to-back stem-and-leaf graphs Tables Bivariate data & 2-way tables 	<p>create and describe a variety of data visualisations that make meaning from the data, identifying features, patterns, and trends in context, including the variable and group of interest</p>	<p>SKILL QUESTS</p> <p>Create & describe data visualisations</p> <ul style="list-style-type: none"> Represent/read data in strip graphs (percentages) Representing/reading data in bar graphs Representing/reading data in line graphs Representing/reading data in dot plots Represent/read data in side-by-side bar graphs Represent/read back-to-back stem-and-leaf graphs Interpreting data from tables Represent/read bivariate data & 2-way tables <p>Create & describe data visualisations</p> <ul style="list-style-type: none"> Represent/read data in pie charts (percentages) <p>ACTIVITIES (COURSES)</p> <p>Statistics & probability</p> <ul style="list-style-type: none"> Making Picture Graphs: With Scale Reading from a Column Graph Histograms Line Graphs: Reading 	<p>Y6-F Data Representation</p> <ul style="list-style-type: none"> Types of graphs 1 (pp 1–6) Types of graphs 2 (pp 10–11) Types of graphs 3 (pp 12–17)
<p>Week 9</p> <p>Data: Analysis 22</p> <p>Interpret pie graphs Mean & mode Identify misleading data visualisations Match visualisations with statements Check claims made by others using evidence</p>	<p>create and describe a variety of data visualisations that make meaning from the data, identifying features, patterns, and trends in context, including the variable and group of interest</p> <p>answer the investigative question, comparing findings with initial predictions or assertions and their existing knowledge of the world</p> <p>identify, explain, check, and, if needed, improve features in others' data investigations (e.g., survey questions, misleading information or statements)</p>	<p>SKILL QUESTS</p> <p>Introduce mean & mode</p> <ul style="list-style-type: none"> Introducing finding the mean Introducing finding the mode <p>Evaluate data displays</p> <ul style="list-style-type: none"> Using & evaluating data displays Examining data displays for misleading information <p>ACTIVITIES (COURSES)</p> <p>Statistics & probability</p> <ul style="list-style-type: none"> Pie Charts 	<p>Y6-F Data Representation</p> <ul style="list-style-type: none"> Types of graphs 1 (pp 7–9) Collecting and analysing data (pp 19–21) Data investigations (pp 24–28)