Ministry-funded Y0-Y8 Maths Resource Curriculum Alignment Guide

The purpose of this guide is to enable schools to use existing Ministry-funded Maths resources with the updated Mathematics and Statistics learning area (October 2025). The guide identifies the Strands, Elements and Practices in the updated Maths and Statistics learning area and shows the location of this learning in existing print and digital resources.

Learning Level	**Phase 3 - Years 7-8**
Supplier	**Maths - No Problem!**

Key:

Digital TB & Print (TB & WB) — lesson exists digitally on the Hub and in the correct printed Textbook and Workbook for the year group

Digital (TB) & Print (WB) — The Textbook lesson is only available digitally on the Hub, the Workbook pages are available in the correct printed Workbook for the year group

Digital TB, Teacher to print WB pages — The Textbook lesson is only available digitally on the Hub. The teacher must print the Workbook pages from the Hub for the students to complete

Year 7

Strand & Element	Practices The skills, strategies, and applications to teach	Resource Title	Resource Type	Page/Section Reference	Notes
Number: number structures (and operations)	Reading, writing comparing, and ordering whole numbers using powers of 10 (e.g. $10{,}000 = 10^4, 1000 < 10^4$)	Phase 3A	Digital (TB)/ Printed (TB & WB) Digital TB, Teacher to print WB pages	Chapter 1 - Lessons 3.1, 3.2	
	Finding the highest common factor (HCF) of two numbers under 100, and finding the least common multiple (LCM) of two numbers under 10	Phase 3A Phase 3A	Digital (TB)/ Printed (TB & WB) Digital TB, Teacher to print WB pages	Chapter 2 - Lessons 17, 18, 19, 20 Chapter 2 - Lesson 26 (digital supplementary lesson)	
	Using exponents and identifying square roots for square numbers up to at least 144	Phase 3A	Digital TB, Teacher to print WB pages	Chapter 2 - Lessons 23 and 24 (digital supplementary lessons)	Examples provided to 100. Teachers should include examples to 144 while teaching these lessons.
	Using rounding and estimation to predict results and to check the reasonableness of calculations (e.g. 0.73 + 0.8 + 0.999 must be less than 3 since each are close to but less than 1)	Phase 3A 6A	Digital (TB)/ Printed (TB & WB) Digital TB, Teacher to print WB pages	Chapter 2 - Lessons 5 and 6 Chapter 1 - Lesson 12	Bridging Lessons (optional) if students need additional practice or scaffolding.
	Rounding whole numbers to any specified power of 10, and rounding decimals to the nearest whole number, tenth, or hundredth	Phase 3A 6B	Digital (TB)/ Printed (TB & WB) Digital TB, Teacher to print WB pages	Chapter 1 - Lessons 4 Chapter 7 - Lesson 12	Rounding decimals is covered in Year 6. Teachers could use this lesson and add additional examples.
	Using divisibility rules to identify numbers that are divisible by 2, 3, 4, 5, 6, 8, 9, and 10	6A	Digital TB, Teacher to print WB pages	Chapter 3 - Lesson 2	This objective can be addressed in a journal task.
	Multiplying whole numbers	Phase 3A	Digital (TB)/ Printed (TB & WB)	Chapter 2 - Lessons 4-8, 14	

Number: number structures (and operations)	Dividing whole numbers by one- or two-digit divisors (e.g. 327 ÷ 5 = 65.4 or 65 2/5)	Phase 3A	Digital (TB)/ Printed (TB & WB)	Chapter 2 - Lessons 9-13	
	Evaluating expressions using the order of operations	Phase 3A	Digital (TB)/ Printed (TB & WB)	Chapter 2 - Lessons 1 and 2	
	Locating integers on a number line	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 15 - Lessons 1 and 2	
	Ordering whole negative and positive numbers using a number line	Phase 3B Phase 3B	Digital (TB)/ Printed (TB & WB) Digital (TB)/ Printed (TB & WB)	Chapter 15- Lessons 1 and 2 Chapter 13 - Lessons 1	
	Representing addition and subtraction of integers using a number line	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 15 - Lessons 1 and 2	
	Identifying, reading, writing, and representing fractions, decimals, and percentages	Phase 3A 6A 6B	Digital (TB)/ Printed (TB & WB) Digital TB, Teacher to print WB pages Digital TB, Teacher to print WB pages	Chapter 4 - Lesson 1 Chapter 6 Chapter 7 - Lesson 1,2 and 3 Chapter 8	This objective is covered in the fractions, decimals and percentages chapters in prior years so teachers may choose to scaffold if necessary.
	Comparing, ordering, and converting between fractions, decimals, and percentages	Phase 3A Phase 3A Phase 3B Phase 3B 6B	Digital (TB)/ Printed (TB & WB) Digital (TB)/ Printed (TB & WB) Digital (TB)/ Printed (TB & WB) Digital TB, Teacher to print WB pages Digital TB, Teacher to print WB pages	Chapter 3 - Lessons 3,4, and 5 Chapter 4 - Lessons 4, and 5 Chapter 7 - Lesson 4 Chapter 8 - Lesson 2 Chapter 8 - Lessons 2 and 3	Bridging Lessons (optional) if students need additional practice or scaffolding.
	Multiplying and dividing numbers by powers of 10	Phase 3A Phase 3A 6A	Digital TB, Teacher to print WB pages Digital (TB)/ Printed (TB & WB) Digital TB, Teacher to print WB pages	Chapter 1 - Lessons 3.1, 3.2 Chapter 4 - Lessons 2,14.1 Chapter 3 - Lesson 4 and 13	Bridging Lessons (optional) if students need additional practice or scaffolding.
	Finding equivalent fractions and representing fractions in their simplest form	Phase 3A	Digital (TB)/ Printed (TB & WB)	Chapter 3 - Lessons 1,2, and 3	
	Multiplying whole numbers by fractions and representing the answer in its simplest form	6A	Digital TB, Teacher to print WB pages	Chapter 6 - Lessons 16, and 17	
	Multiplying decimals by whole numbers (e.g. 0.7×5 and 0.7×50, which both relate to knowing 7×5=35)	Phase 3A	Digital (TB)/ Printed (TB & WB)	Chapter 4 - Lessons 6,7,8, and 9	
	Dividing fractions by whole numbers and representing the answer in its simplest form	Phase 3A	Digital (TB)/ Printed (TB & WB)	Chapter 3 - Lessons 13,14, and 15	
	Dividing a whole number by a unit fraction				Not in MNP Resource*
	Representing numbers in expanded form using powers of 10 (e.g. $34{,}506 = 3 \times 10^4 + 4 \times 10^3 + 5 \times 10^2 + 6$)	Phase 3A Phase 3A	Digital TB, Teacher to print WB pages Digital TB, Teacher to print WB pages	Chapter 1 - Lessons 3.1 and 3.2 Chapter 4 - Lesson 14.1	
	Using radicals (√) to represent square roots	Phase 3A	Digital TB, Teacher to print WB pages	Chapter 2 - Lesson 23	
	Identifying prime numbers to 100	Phase 3A	Digital TB, Teacher to print WB pages	Chapter 2 - Lesson 25	

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Number: number structures (and operations)	Identifying the additive inverse of any number	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 15 - Lesson 1	This objective is addressed in this lesson; however, teachers should include the specific language of ‘additive inverse’.
	Using negative numbers to solve problems in a range of contexts, including the measurement of temperature and finance	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 15 - Lessons 1 and 2	
	Adding and subtracting fractions, including improper fractions and mixed numbers, and representing the answer in its simplest form	Phase 3A	Digital (TB)/ Printed (TB & WB)	Chapter 3 - Lessons 6,7,8, and 9	
	Adding and subtracting decimals	6B	Digital TB, Teacher to print WB pages	Chapter 7 - Lessons: 6 to11	
	Finding a fraction of a whole number (e.g. 5/3 of 186)	Phase 3A	Digital (TB)/ Printed (TB & WB)	Chapter 6 - Lesson 5	
	Finding a whole amount when given a fraction (e.g. 5/4 of the set is 85, what is the whole set?)	Phase 3A	Digital (TB)/ Printed (TB & WB)	Chapter 6 - Lesson 5	
	Finding common percentages of whole numbers	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 7 - Lessons 1, 2, and 3	
	Finding the whole (100%) when given a percentage (e.g. 40% is 28)	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 7 - Lesson 2 and 3	
	Using proportional reasoning to explore multiplicative relationships between quantities (e.g. “If there are 3 red for every 7 blue balls, how many balls are there altogether when there are 18 red balls?”)	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 8 - Lesson 1 to 10	
Number: financial maths	Calculating the total cost and change for a transaction involving any amount of money	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 8.1 - Lesson 1	
	Applying percentage discounts to whole dollar amounts (e.g. in a 20%-off sale)	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 8.1 - Lesson 2	
Algebra: equations and relationships	Forming and solving one- and two-step linear equations with integer solutions (e.g. $t + 7 = 12,\ 5s + 3 = 18$)	Phase 3B	Digital TB & Print (TB & WB)	Chapter 9 - Lessons 7, 9, and 10	
	Using substitution to find the value of an expression or formula (e.g. calculating w+12 given w=4)	Phase 3B	Digital TB & Print (TB & WB)	Chapter 9 - Lessons 7 and 9	
	Identifying the constant increase or decrease in a linear pattern, using variables and algebraic notation to represent the rule in an equation, and using the equation to make conjectures	Phase 3B	Digital TB & Print (TB & WB)	Chapter 9 - Lessons 1,2,3, and 4	
	Checking the truth of and completing number sentences involving all four operations and including the use of inequalities (e.g. $0.8 \times 12 \leq 8 \times 0.5 + 8$, true or false?)				Not in MNP Resource*
	Rearranging known formulae using one or two steps				Not in MNP Resource*

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Algebra: equations and relationships	Simplifying expressions involving any of the four operations by collecting like terms (e.g. 3a+a+a=5a,3b-2b=b)				Not in MNP Resource*
	Identifying and plotting points in the four quadrants of the coordinate plane, using ordered pairs and values from a table	Phase 3B	Digital TB & Print (TB & WB)	Chapter 13 - Lessons 2,3, and 4	
	Using tables, graphs in the coordinate plane, and diagrams to recognise the relationship between the ordinal position and its corresponding element in a linear pattern, develop a rule for the pattern in words, and make conjectures about further elements in the pattern	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 9 - Lessons 8 to 10	
	Using formulae to find unknown measurements related to area (e.g. the base of a triangle given its area and height, the area of a figure composed of a triangle and rectangle, given side lengths) Using formulae to find unknown measurements related to volume (e.g. the dimensions of a cube given its volume, the volume of a rectangular prism given side lengths)	Phase 3B Phase 3B Phase 6B	Digital TB & Print (TB & WB) Digital TB & Print (TB & WB Digital TB, Teacher to print WB pages	Chapter 10 - Lessons 1,2,3,4 Chapter 10 - Mind Challenge in WB Chapter 13 - Lesson 5	Bridging Lessons (optional) if students need additional practice or scaffolding.
	Selecting and using an appropriate base measure (e.g. metre, gram, litre) within the metric system, along with a prefix (e.g. kilo-, centi-) to show the size of units	Phase 3A	Digital TB & Print (TB & WB)	Chapter 5 - Lessons 1 to 6	
	Using formulae to find unknown measurements related to perimeter (e.g. the length of the unknown sides of a square given its perimeter, the length of an unknown side in a composite shape given its perimeter)	6B	Digital TB, Teacher to print WB pages	Chapter 12 - Lessons 1 to 3	
	Read, interpret, and use timetables and charts that present information about duration	6B	Digital TB, Teacher to print WB pages	Chapter 11 - Lesson 7	
Geometry: shapes	Classifying triangles by both their angle and side properties	Phase 3B 5B	Digital TB & Print (TB & WB) Digital TB, Teacher to print WB pages	Chapter 12 - Lessons 3 and 8 Chapter 12 - Lesson 3	Bridging Lessons (optional) if students need additional practice or scaffolding.
Geometry: spatial reasoning	Transforming 2D shapes in the coordinate plane by a single translation, reflection across a given mirror line, or a rotation about a given point by a multiple of 90 degrees	Phase 3B 6B	Digital TB & Print (TB & WB) Digital TB, Teacher to print WB pages	Chapter 13 - Lessons 5,6,7, & 8 Chapter 10 - Lesson 6	
	Identifying the 2D shapes that compose 3D shapes	Phase 3B	Digital TB & Print (TB & WB)	Chapter 12 - Lessons 11 and 12	
	Drawing nets for prisms and pyramids	Phase 3B	Digital TB & Print (TB & WB)	Chapter 12 - Lessons 11 and 12	
	Reasoning about unknown angles in situations involving perpendicular lines, parallel lines, and transversals	Phase 3B	Digital TB & Print (TB & WB)	Chapter 12 - Lesson 1 and 2	
	Solving for an unknown angle in a diagram by setting up and solving a multi-step equation based on supplementary, complementary, vertical, and adjacent angle relationships	Phase 3B	Digital TB & Print (TB & WB)	Chapter 12 - Lesson 2	

Geometry: pathways	Interpreting and communicating the location of positions and pathways using coordinates, angle measures, and the eight main and halfway compass points (e.g. NE, which is 45° E from N)	Phase 3B	Digital TB & Print (TB & WB)	Chapter 13 - Lessons 2 and 3	Teachers may add their own journal task or example of compass points during this session.
Statistics: Developing knowledge from data	Planning and collecting data in order to respond to a statistical question (e.g. Are our feet the same length?)	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 14 - Lesson 8.1	
	Calculating the mean, median, and mode for numerical data	Phase 3B	Digital TB & Print (TB & WB)	Chapter 14 - Lessons 1, 2, and 3	Mean, median, mode introduced in Lesson 1.
	Calculating the range for numerical data	Phase 3B	Digital TB & Print (TB & WB)	Chapter 14 - Lessons 1	Range should be introduced by the teacher alongside mean, median, mode.
Statistics: Visualisation of data	For a given set of data, choosing and constructing an appropriate data visualisation according to the data type (e.g. a dot plot, bar graph, time-series graph)	Phase 3B 6A	Digital TB & Print (TB & WB) Digital TB, Teacher to print WB pages	Chapter 14 - Lesson 5 Chapter 5 - Lessons 6,7,8 - Journal task	Bridging Lessons (optional) in Year 6 if students require additional practice.
	Noticing and explaining outliers in a given set of data	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 14 - Lesson 8.1	
Statistics: Interpretation of data	Responding to statistical questions by calculating an appropriate measure of central tendency and range for a variety of data tables and data visualisations	Phase 3B	Digital TB & Print (TB & WB)	Chapter 14 - Lessons 2 and 3	
	Interpreting data visualisations, including those from contemporary media	Phase 3B	Digital TB & Print (TB & WB)	Chapter 14 - Lessons 5,6,7,8,10	
	Identifying when a data visualisation cannot be interpreted accurately due to missing information	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 14 - Lesson 8.1	
	Identifying outliers by eye and taking them into account when using range as a measure of spread	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 14 - Lesson 8.1	
Probability: Experimental Probability	Carrying out a chance experiment and calculating the experimental probability of each outcome	Phase 3B	Digital TB & Print (TB & WB)	Chapter 16 - Lessons 1 to 4	
	Comparing experimental probability (using at least 30 trials) to theoretical probability, and explaining why they differ and how increasing the number of trials reduces this difference	Phase 3B	Digital TB & Print (TB & WB)	Chapter 16 - Lessons 2 and 3	
	Carrying out chance experiments of at least 100 trials and comparing the experimental probability of each individual outcome to its theoretical probability, in order to demonstrate the Law of Large Numbers	Phase 3B	Digital TB & Print (TB & WB)	Chapter 16 - Lesson 5	
Probability: Theoretical Probability	Calculating probabilities for events as decimals, fractions, and percentages	Phase 3B	Digital TB & Print (TB & WB)	Chapter 16 - Lesson 4	
	Comparing the likelihood of different events	Phase 3B	Digital TB & Print (TB & WB)	Chapter 16 - Lessons 4 and 5	
	Calculating probabilities for complementary events	Phase 3B	Digital TB & Print (TB & WB)	Chapter 16 - Lesson 2	

Year 8

Strand & Element	Practices The skills, strategies, and applications to teach	Resource Title	Resource Type	Page/Section Reference	Notes
Number: number structures	Reading, writing comparing, and ordering whole numbers and decimals using positive and negative powers of 10	Phase 3A Phase 3A	Digital (TB)/ Printed (TB & WB) Digital (TB)/ Printed (TB & WB)	Chapter 1 - Lesson 3.2 Chapter 4 - Lesson 14.1	
	Representing composite numbers as products of their prime factors, using exponents to summarise repeated factors (e.g. $36 = 2 \times 2 \times 3 \times 3 \times 3 = 2^2 \times 3^3$)	Phase 3A	Digital (TB)/ Printed (TB & WB)	Chapter 2 - Lesson 25	
	Representing whole numbers and decimals in expanded form using powers of 10 (e.g. $3.61 = 3 \times 10^1 + 6 \times 10^{-1} + 1 \times 10^{-2}$)				Not in MNP Resource*
	Representing negative powers of 10 as a fraction and a decimal, and vice-versa (e.g. $0.01 = \frac{1}{100} = 10^{-2}$)	Phase 3A	Digital TB, Teacher to print WB pages	Chapter 4 - Lesson 14.1	
	Using exponents and identifying cube roots for cube numbers up to at least 125				Not in MNP Resource*
	Using radicals ($\sqrt{\ }$ and $\sqrt[3]{\ }$) to represent square and cube roots				Not in MNP Resource*
	Evaluating square and cube roots for perfect squares and cubes and using a calculator to approximate them for other numbers				Not in MNP Resource*
	Locating negative and positive numbers on a number line	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 15 - Lesson 1	
	Comparing and ordering negative and positive numbers using a number line (e.g. $-3.4 < -3$)	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 15 - Lessons 1 and 2	
	Evaluating expressions involving negative numbers, addition, and subtraction (e.g. $3 + -7$)	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 15 - Lesson 1 and 2	
	Identifying percentage equivalence in calculations (e.g. 45% of 20 is equal to 20% of 45)				Not in MNP Resource*

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Number: operations	Using rounding, estimation, and benchmarks to predict results and to check the reasonableness of calculations (e.g. 14.7×5 must be between $14 \times 5 = 70$ and $15 \times 5 = 75$)	Phase 3A	Digital (TB)/ Printed (TB & WB)	Chapter 2 - Lesson 5	This lesson (among others) focuses on estimating first.
	Rounding whole numbers to any specified power of 10, and rounding decimals to the nearest whole number, tenth, hundredth, or thousandth	Phase 3A	Digital (TB)/ Printed (TB & WB)	Chapter 1 - Lesson 5	
	Multiplying and dividing whole numbers (e.g. $327 \div 15 = 21.8 \; or \; 21\frac{4}{5}$)	Phase 3A Phase 3A	Digital (TB)/ Printed (TB & WB) Digital (TB)/ Printed (TB & WB)	Chapter 2 - Lessons 4 to 13 Chapter 6 - Lesson 6	
	Evaluating expressions with integers, using the order of operations	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 15 - Lessons 1 and 2	
Number: rational number	Identifying, reading, writing, and representing fractions, decimals, and percentages	Phase 3A 6A 6B	Digital (TB)/ Printed (TB & WB) Digital TB, Teacher to print WB pages Digital TB, Teacher to print WB pages	Chapter 4 - Lesson 1 Chapter 6 Chapter 7 - Lesson 1,2 and 3 Chapter 8	This objective is covered in the fractions, decimals and percentages chapters in prior years so teachers may choose to scaffold if necessary.
	Comparing, ordering, and converting between fractions, decimals, and percentages	Phase 3A Phase 3A Phase 3B	Digital (TB)/ Printed (TB & WB) Digital (TB)/ Printed (TB & WB) Digital (TB)/ Printed (TB & WB)	Chapter 4 - Lessons 3,4, and 5 Chapter 3 - Lessons 3,4, and 5 Chapter 7 - Lesson 4	
	Multiplying and dividing numbers by powers of 10	Phase 3A Phase 3A	Digital (TB)/ Printed (TB & WB) Digital TB, Teacher to print WB pages	Chapter 4 - Lesson 2 Chapter 1 - Lesson 3.2	
	Finding a fraction of a whole number, including when the result is a mixed number or improper fraction (e.g. for 2/5 of 42, 2/5×42=84/5=16 2/5)	6A	Digital TB, Teacher to print WB pages	Chapter 6 - Lesson 1	
	Multiplying whole numbers by fractions, including by improper fractions, by mixed numbers, and by first converting to an improper fraction	6A	Digital TB, Teacher to print WB pages	Chapter 6 - Lessons 16 and 17	
	Multiplying fractions and representing the answer in its simplest form	6A	Digital TB, Teacher to print WB pages	Chapter 6 - Lessons 16 and 17	
	Multiplying positive decimals (e.g. 2.3×45)	Phase 3A	Digital (TB)/ Printed (TB & WB)	Chapter 4 - Lessons 6 to 9	
	Finding a whole amount when given a fraction, including when the whole set is a mixed number or improper fraction (e.g. if 8 is 3/5 of a set, 8×5/3=13 1/3)	Phase 3A	Digital (TB)/ Printed (TB & WB)	Chapter 6 - Lesson 5	
	Finding percentages of whole numbers	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 7 - Lesson 1 and 2	
	Finding the whole (100%) when given a percentage (e.g. 3% is 27)	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 7 - Lesson 2 and 3	
	Dividing a quantity into two parts, given the part:part or part:whole ratio	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 8 - Lessons 1 to 10	
	Expressing the division of quantity into two parts as a ratio	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 8 - Lessons 4 to 10	

Number: financial maths	Creating and comparing weekly, monthly, and yearly finance plans (e.g. for saving plans, phone plans, budgets, and 'buy now, pay later' services)	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 8.1 - Lessons 1 to 4, Mind challenge and Maths Journal	
	Applying percentage discounts (e.g. a 35% discount on \$180 will give a new price of $\$180 - (0.35 \times \$180) = \$117$)	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 8.1 - Lesson 2	
Algebra: equations and relationships	Forming and solving linear equations with rational solutions (e.g. $t + 7 = 6.5,\ 5s + 9 = -18$)	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 9 - Lessons 6,8,9, and 10	
	Forming and solving linear inequalities and representing the solution on a number line (e.g. $t - 3 \geq -5$)				Not in MNP Resource*
	Using substitution to find the value of an expression or formula (e.g. calculating w+12 given w=4)	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 9 - Lesson 9	
	Rearranging formulae using multiple steps and substitution to find an unknown value (e.g. making a the subject of A=1/2 (a+b))				Not in MNP Resource*
	Simplifying algebraic expressions involving sums, products, differences, and single brackets, and collecting like terms (e.g. 2(x+3)+1=2x+6+1=2x+7)				Not in MNP Resource*
	Factorising simple algebraic expressions (e.g. 5x-35=5(x-7))				Not in MNP Resource*
	Using tables, graphs in the coordinate plane, and diagrams to recognise the relationship between the ordinal position and its corresponding element in a linear pattern, develop a rule for the pattern in words, and make conjectures about further elements in the pattern	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 9 - Lessons 8 to 10	
	Investigating the patterns of triangular numbers, square numbers, and cube numbers, extending the patterns, creating tables of values, and plotting the values on the coordinate plane	Phase 3A	Digital (TB)/ Printed (TB & WB)	Chapter 2 - Lesson 24	
	Identifying and plotting points in the four quadrants of the coordinate plane, using ordered pairs and values from a table	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 13 - Lesson 9 and 10	
	Identifying the constant increase or decrease in a linear pattern, using variables and algebraic notation to represent the rule in an equation, and using the equation to make conjectures	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 9 - Lessons 8 and 10	
Measurement: measuring	Estimating and measuring length, area, volume, capacity, mass (weight), temperature, time, and angle, using appropriate units	Phase 3A Phase 3B	Digital (TB)/ Printed (TB & WB) Digital (TB)/ Printed (TB & WB)	Chapter 5 - Lessons 1 to 8 Chapter 10 and 11	

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Measurement: measuring	Calculating the area of a parallelogram and a trapezium	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 10 - Lessons 8 to 10	A journal task can be used (as per the parallelogram) for the trapezium.
	Calculating the area of a shape, given some lengths and its perimeter, and vice versa	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 10 - Lessons 1 to 4	
	Calculating lengths of quadrilaterals, given their area and other sufficient information	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 10 - Lessons 1	
	Converting between metric units of area (mm2, cm2, m2, and km2) and volume (mm3, cm3 and m3)				Not in MNP Resource*
	Converting between different volume units (cm3, m3, mL, L)	6B	Digital TB, Teacher to print WB pages	Chapter 13 - Lesson 4	
	Read, interpret, and use timetables, charts and results that present information about duration.	Phase 3A 5A	Digital (TB)/ Printed (TB & WB) Digital TB, Teacher to print WB pages	Chapter 5 - Lesson 7 Chapter 7 - Lessons 3 and 4	Bridging Lessons (optional) if students need additional practice or scaffolding.
	Convert times to a given unit (e.g. hours and minutes to minutes)	Phase 3A	Digital (TB)/ Printed (TB & WB)	Chapter 5 – Lesson 7	
	Calculating the volume of composite figures made up of cubes, rectangular prisms, and/or triangular prisms	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 10- Lessons 1 and 5	Composite cuboids only.
	Calculating the volume of triangular prisms				Not in MNP Resource*
Geometry: shapes	Identifying and describing the parts of a circle: the radius, diameter, and circumference	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 12 - Lesson 6	
Geometry: spatial reasoning	Transforming 2D shapes on the coordinate plane, including composite shapes, by a combination of translations, reflections, rotations, and scaling by any factor	Phase 3B 6B	Digital (TB)/ Printed (TB & WB) Digital TB, Teacher to print WB pages	Chapter 13 - Lessons 1 to 8 Chapter 10 - Lessons 6 and 7	Bridging Lessons (optional) if students need additional practice or scaffolding.
	Proving that the interior angle sum of a triangle is 180°, and generalising a rule for the interior angle sum and exterior angles for any polygon	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 12 - Lessons 3 to 5	
	Reasoning about unknown angles in situations involving internal and external angles of polygons	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 12 - Lesson 5	
Geometry: pathways	Using map scales, compass points, distance, and turn to interpret and communicate positions and pathways in coordinate systems and grid reference systems	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 13 - Lessons 1,2,3,4, and 9	
Statistics: Developing knowledge from data	Planning and collecting data in order to respond to a statistical question (e.g. Are our feet the same length?)	Phase 3B 6B	Digital TB, Teacher to print WB pages Digital TB, Teacher to print WB pages	Chapter 14 - Lesson 8.1 Chapter 5 - Lesson 8 Journal Task	
	Calculating the mean, median, and mode for numerical data	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 14 - Lesson 1 to 4	Teachers can teach median and mode during these sessions or using a journal task.

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Statistics: Developing knowledge from data	Calculating the range for numerical data	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 14 - Lesson 1 to 4	Range can be integrated in lessons in Phase 3B, Chapter 14, Lessons 1-4.
Statistics: Visualisation of data	For a given set of data, choosing and constructing an appropriate data visualisation according to the data type (e.g. a dot plot, bar graph, time-series graph)	Phase 3B 6A 6A 6A	Digital (TB)/ Printed (TB & WB) Digital TB, Teacher to print WB pages Digital TB, Teacher to print WB pages Digital TB, Teacher to print WB pages	Chapter 17 - Lessons 4,5 Chapter 5 - Lesson 6 Chapter 5 — Lesson 7 Chapter 5 — Journal	
	Noticing and explaining outliers in a given set of data	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 14 - Lesson 8.1	
Statistics: Interpretation of data	Responding to statistical questions by calculating an appropriate measure of central tendency and range for a variety of data tables and data visualisations	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 14 - Lesson 8.1	
	Interpreting data visualisations, including those from contemporary media	Phase 3B	Digital (TB)/ Printed (TB & WB)	Chapter 14 - Lessons 5 to 8	
	Identifying when a data visualisation cannot be interpreted accurately due to missing information	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 14 - Lesson 8.1	This lesson requires students to explain errors and inconsistencies in data. Alongside this lesson teachers may wish to include a journal task where data visualisation cannot be interpreted accurately due to missing information.
	Identifying outliers by eye and taking them into account when using range as a measure of spread	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 14 - Lesson 8.1	
Probability: Experimental Probability	Carrying out a chance experiment and calculating the experimental probability of each outcome	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 17 - Lesson 5	
	Comparing experimental probability (using at least 30 trials) to theoretical probability, and explaining why they differ and how increasing the number of trials reduces this difference	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 17 - Lessons 1,2, and 4	
	Carrying out chance experiments of at least 100 trials and comparing the experimental probability of each individual outcome to its theoretical probability, in order to demonstrate the Law of Large Numbers	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 17 - Lesson 3	
Probability: Theoretical Probability	Calculating probabilities for events as decimals, fractions, and percentages	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 17 - Lesson 1,2,4	
	Comparing the likelihood of different events	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 17 - Lessons 1 to 5	
	Calculating probabilities for complementary events	Phase 3B	Digital TB, Teacher to print WB pages	Chapter 17 - Lesson 1,2, and 4	