Mathletics

Western Australian Curriculum

Activities (Courses), Skill Quests and eBooks



Years 3-6

October, 2025



Mathletics

Western Australia Curriculum Activities (Courses), Skill Quests and eBooks October, 2025

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Year 3

Number & algebra

Understanding number

Year 3 Rich Learning Task: Number

3.NA.Number.1		
	including on a number line. Recognise the repetition of the 0–999 quence of digits.	
■ Activities		
Read, write & order numbers	Numbers from Words to Digits 1	
	Ascending Order	
	Descending Order	
	Smallest and largest numbers	
	Put in Order 1	
★ Skill Quests		
Read, write & order numbers to 10 000	Identifying & counting numbers to 4 digits	
	Reading & writing numbers to 4 digits	
	Comparing & ordering numbers to 4 digits	
Ebooks		
Year 3, Series D: Reading and Understanding Whole Numbers	Looking at whole numbers	
Year 4, Series E: Reading and Understanding Whole Numbers	Looking at whole numbers	

3.NA.Number.2

Build a number

Explore different ways to represent and partition numbers up to four-digits, including groups of 10 (tens), 10 groups of 10 (hundreds) and beyond, using concrete materials and number sentences. Recognise that the value of a digit is determined by its place in a numeral.

■ Activities	
Place value	Place Value 3
	Place Value to Thousands
	Expanding Numbers
	Partition and Rename 2
	Partition and Rename 3
	Rounding Numbers
🕍 Skill Quests	
Represent & partition numbers to 10 000	Place value to 4 digits
	Partitioning numbers to 4 digits - standard
	Partitioning numbers to 4 digits - non-standard
Ebooks	
Year 3, Series D: Reading and Understanding Whole Numbers	Place value of whole numbers
Year 4, Series E: Reading and Understanding Whole Numbers	Place value of whole numbers
Year 3, Series D: Reading and Understanding Whole Numbers	Round and estimate

3.NA.Number.3 Represent and explain the relationship between addition and subtraction, using part-part-whole models and number sentences.	
■ Activities	
Addition & subtraction facts to 20	Adding in Any Order
	Related Facts 1
★ Skill Quests	

Relationship between addition & subtraction

Relationship addition & subtraction

3.NA.Number.4 Recall addition and subtraction facts to 20.		
■ Activities		
Addition & subtraction facts to 20	Adding in Any Order	
	Related Facts 1	
	All about Twenty	
	Problems: Addition and Subtraction	
	Problems: Add and Subtract	
	Add and Subtract Problems	
业 Skill Quests		
Addition & subtraction facts to 20	Finding fact families for addition & subtraction	
	Adding & subtracting within 20 fluently	
	Number bonds to 20	
Ebooks		
Year 3, Series D: Addition and Subtraction	Addition mental strategies	
	Subtraction mental strategies	

3.NA.Number.5 Explore the relationship between multiplication and division, using diagrams, arrays and number sentences.		
Activities		
Multiply & divide	Multiplication Turnarounds	
	Arrays 1	
	Arrays 2	
	Fact Families: Multiply and Divide	
	Related Facts 2	
	Frog Jump Multiplication	
	Frog Jump Division	
	Equivalent Facts: Multiply	
	Divide Into Equal Groups	
★ Skill Quests		
Multiplication & division	Using repeated addition to multiply	
	Using repeated subtraction to divide	
	Relating multiplication & division	
	Interpreting & solving mult/div word problems	
	Multiplication strategies: 1-digit numbers	
	Multiplying 2-digit numbers by a 1-digit number	
□ Ebooks		
Year 3, Series D: Multiplication and Division	Introducing multiplication	
	Mental multiplication strategies	
	Division	

3.NA.Number.6

Recall multiplication facts of 2, 3, 4, 5 and 10, and related division facts.	
■ Activities	
Multiplication & division facts	Counting by Twos
	Counting by Fives
	Counting by Tens
	Count by 2s, 5s and 10s
	Dividing Twos
	Dividing by Two
	Dividing Fives
	Dividing by Five
	Dividing Tens
	Grouping in Fours
	Dividing Fours
	Grouping in Threes
	Dividing Threes
★ Skill Quests	
Multiplication & division facts	Multiplication/division facts for 2
	Multiplication/division facts for 10
	Multiplication/division facts for 5
	Multiplication/division facts for 2, 5, 10
	Multiplication/division facts for 3
Multiplication word problems	Word problems and missing numbers
Ebooks	
Year 3, Series D: Multiplication and Division	Introducing multiplication
	Multiplication facts

3.NA.Number.7

Recognise, represent and describe unit fractions 1/2, 1/3, 1/5, 1/4, 1/5 and 1/10. Combine unit fractions with the same denominator to create a complete whole.

denominator to create a complete whole.		
■ Activities		
Unit fractions	Shade Fractions	
	Identifying Fractions on a Number Line	
	Fractions of a Collection 1	
	Fraction Length Models 1	
	Unit Fractions	
	Shade Fractions	
业 Skill Quests		
Fraction symbols	Exploring the meaning of fraction symbols	
	Introducing terms numerator & denominator	
Find & count in halves & quarters	Finding half of a set or quantity (symbols)	
	Finding quarters of sets or shapes (symbols)	
	Finding halves & quarters (symbols)	
	Counting in halves & quarters to 1	
Ebooks		
Year 3, Series D: Fractions	Introducing fractions	

Understanding equalities and inequalities

3.NA.Inequalities.1 Explore and use the greater than, less than and equality symbols to compare two whole numbers and statements involving addition and subtraction. Activities Equality & inequality Compare Numbers to 100 Greater Than or Less Than? Greater Than or Less Than 1 Balance Additions to 20 Skill Quests Understand equivalence Understanding equivalence Ebooks Year 3, Series D: Patterns and Algebra Equations and equivalence

Patterns and relationships

3.NA.Patterns.1 Create and represent increasing or decreasing additive patterns from any starting point, using concrete materials and numbers, and describe rules to represent the pattern.		
■ Activities		
Patterns	Odd and Even Numbers 1	
	Describing Patterns	
	Missing Numbers 1	
址 Skill Quests		
Create & represent additive patterns	Creating & representing patterns (1, 2, 5, 10, 25)	
	Create & represent patterns (3, 4, 6, 7, 8, 9)	
Ebooks		
Year 3, Series D: Patterns and Algebra	Patterns and functions	

Calculating with number

3.NA.Calculating.1 Add and subtract two- and three-digit numbers, using a range of strategies. Activities		
Up to 3 digit add & subtract	Add 3 Numbers: Bonds to 100	
	Partition Puzzles 2	
	Bar Model Problems 1	
	Bar Model Problems 2	
	Magic Mental Addition	
	Compensation - Add	
	Add Two 2-Digit Numbers	
	Adding to 2-digit numbers	
	Subtract Tens	
	Magic Mental Subtraction	
	Repartition to Subtract	
	Compensation - Subtract	
	Bump Add and Subtract	
	Columns that Subtract	
	Subtract Numbers	

	Estimate Differences
	Estimate Sums
	Estimation: Add and Subtract
Add & subtract 2- & 3-digit numbers	Add & subtract using number facts within 1000
	Add & subtract 2- & 3-digit using jump strategy
	Add & subtract 2- & 3-digit using place value
	Add & subtract 2- & 3-digit using bridging to 10
	Adding & subtracting - bridging with unknowns
	Adding & subtracting 3-digits using partitioning
	Adding & subtracting 3-digits using place value
	Add & subtract 2- & 3-digit using split strategy
	Add & subtract 2-digit rounding & compensation
	Add & subtract 3-digit rounding & compensation
	Adding & subtracting to make 100
	Add & subtract multiples of 100, 1000 & 10 000
	Add & subtract using non-standard partitioning
Ebooks	
Year 3, Series D: Addition and Subtraction	Addition mental strategies
	Subtraction mental strategies
	Written methods

3.NA.Calculating.2 Explore additive estimation strategies to evaluate the reasonableness of a calculation in familiar contexts.		
□ Activities		
Up to 3 digit add & subtract	Estimate Differences	
	Estimate Sums	
	Estimation: Add and Subtract	
Skill Quests		
Additive estimation strategies	Add & subtract: choosing efficient strategies	

Financial mathematics

3.NA.Financial.1 Investigate financial transactions, recognising equivalent values and change.		
■ Activities		
Financial mathematics	Money	
	Who's got the Money?	
	How much Change?	
★ Skill Quests		
Money	Counting Australian dollars & cents	
	Using money to make purchases	
Ebooks		
Year 3, Series D: Addition and Subtraction	Money	

Modelling with number

3.NA.Modelling.1

Identify and represent a range of real-world addition and subtraction situations with part-part-whole models, and multiplication and division situations with arrays. Write number sentences to reach a solution and interpret in context.

■ Activities		
Addition & subtraction facts to 20	Problems: Addition and Subtraction	
	Problems: Add and Subtract	
	Add and Subtract Problems	
™ Skill Quests		
Real-world mathematical problems	Real-world addition & subtraction problems	
	Real-world multiplication & division problems	
Ebooks		
Year 3, Series D: Addition and Subtraction	Addition mental strategies	
	Subtraction mental strategies	
Year 3, Series D: Multiplication and Division	Mental multiplication strategies	
	Division	
	Games and investigations	
Year 3 Rich Learning Task: Number	Fish Nets	

Measurement & geometry

Two-dimensional space and structures

Year 3, Series D: Space, Shape and Position

3.NG.2D.1 Explore one-step slides (translations) and flips (reflections) of familiar two-dimensional shapes, make connections to line symmetry and describe the movement of the shape.			
	■ Activities		
	2D space & structures	Flip, Slide, Turn	
		Symmetry	
™ Skill Quests			
Explore one-step slides & flips	Transforming shapes by translation & reflections		
		Recognising line symmetry	
	Fhooks		

Lines and angles
Investigating 2D shapes

3.MG.2D.2 Estimate, measure and order lengths in uniform units, including millimetres, centimetres and metres.		
■ Activities		
2D space & structures	How Long is That?	
	Measure to the Nearest Half Centimetre	
	Ordering Lengths (cm)	
业 Skill Quests		
Estimate, measure & order length	Measuring in m, cm, mm	
	Selecting measures for length (m, cm, mm)	
	Comparing length measurements	
	Ordering length measurements	
□ Ebooks		
Year 3, Series D: Measurement	Units of length	

3.MG.2D.3

 $Compare \ the \ areas \ of \ two \ shapes \ indirectly, \ using \ uniform \ informal \ units, \ without \ gaps \ and \ overlaps.$

Activities

2D space & structures	Equal Areas
🕍 Skill Quests	
Compare area	Measuring & estimating area using square units
Ebooks	
Year 3, Series D: Measurement	Area

3.MG.2D.4 Identify angles as measures of turn between two lines that intersect and directly compare angle sizes in everyday situations.		
■ Activities		
2D space & structures	Comparing Angles	
	Equal Angles	
业 Skill Quests		
Identify & compare angles	Introducing angles	
	Introducing right angles	
□ Ebooks		
Year 3, Series D: Space, Shape and Position	Lines and angles	

3.MG.2D.5 Create and interpret simple maps to show positions and pathways, considering the relative position of key features.		
■ Activities		
2D space & structures	Following Directions	
	Coordinate Meeting Place	
	Map Coordinates	
	Where is it?	
™ Skill Quests		
Interpret & create maps	Interpreting simple maps	
Ebooks		
Year 3, Series D: Space, Shape and Position	Position	

Three-dimensional space and structures

3.MG.3D.1 Visualise and make models of three-dimensional objects. Compare and classify objects according to the key features of faces, edges and vertices.	
Activities	
3D space & structures	How Many Faces?
	How many Edges?
	Count the Corners
	Relate Shapes and Solids
	Collect the Objects
业 Skill Quests	
3D objects	Exploring prisms & pyramids
	Introducing nets
	Recognising & comparing 3D objects
	Describing & sorting 3D objects
	Comparing 2D shapes & 3D objects
☐ Ebooks	
Year 3, Series D: Space, Shape and Position	Investigating 3D shapes

3.MG.3D.2

Measure and order capacity in uniform units, including millilitres. Estimate larger capacities using a litre container.

Activities
3D space & structures

Using a Litre

Skill Quests

Measure, estimate & order capacity

Measuring, estimating & comparing capacity

Ebooks

Year 3, Series D: Measurement Volume and capacity

Non-spatial measurement

3.MG.NSM.1

Compare objects to common benchmarks, including 100 g, 250 g, half and one kilogram.

Activities

Non-spatial measurement

How Heavy?
Ordering Mass (g)

*** Skill Quests

Measure & compare mass

Measuring & comparing mass

Ebooks

Year 3, Series D: Measurement Mass

3.MG.NSM.2

Tell the time in minutes using analogue and digital clocks. Describe duration in hours, minutes and seconds and identify the relationship between them.

Activities

Non-spatial measurement	Five Minute Times
	What is the Time?

Skill Quests

Tell time	reiling time to live minutes
	Telling time to the minute
Introduce units of time	Introducing hours
	Introducing minutes
	Introducing seconds
Duration & units of time	Understanding relationship between units of time
	Understanding duration

Talling time to five minutes

Ebooks

Year 3, Series D: Time	Telling time
	Measuring time
Year 3 Rich Learning Task: Number	Passing time

Probability & statistics

Probability

3.PS.Probability.1

Describe familiar events using the language of chance. Identify and list possible outcomes of everyday chance events.

Activities

Probability and chance	Will it Happen?

	Most Likely and Least Likely
	Introductory Probability
	What are the Chances?
	How many Combinations?
站 Skill Quests	
Language of chance	Using basic probability language
☐ Ebooks	
Year 3, Series D: Chance and Data	Chance

3.PS.Probability.2 Recognise the likelihood of outcomes for planned, equally likely, repeated chance experiments. Conduct the experiments and recognise variation in the results. E Activities Teacher directed ✓ Skill Quests Chance experiments Conducting chance experiments Ebooks Year 3, Series D: Chance and Data Chance

Statistics

3.PS.Statistics.1 Describe and interpret real-life data represented in dot plots and column graphs with scale intervals of one. Activities	
Represent & interpret data	Pictographs Interpreting Tables Reading from a Column Graph Column Graphs
业 Skill Quests	
Describe & interpret data displays	Describing & interpreting column graphs Describing & interpreting dot plots
Ebooks	
Year 3, Series D: Chance and Data	Chance

Year 4

Number & algebra

Understanding number

4.NA.Number.1 Read, write and order numbers to at least six-digits. Recognise the significance of the final digit to determine odd and even numbers.	
□ Activities	
Read, write & order numbers	Place Value to Millions
	Numbers from Words to Digits 1
	Numbers from Words to Digits 2
	Smallest and largest numbers
	Greater Than or Less Than?
★ Skill Quests ★ Continue of the property of the proper	
Numbers to 1 000 000	Reading & representing numbers to 6 digits
	Comparing & ordering numbers to 6 digits
	Counting by ones, tens & hundreds
Numbers of any size	Reading & representing numbers of any size
	Comparing & ordering numbers of any size
Identify odd & even numbers	Identifying odd & even numbers
Ebooks	
Year 5, Series F: Reading and Understanding Whole Numbers	Looking at whole numbers

4.NA.Number.2 Read and write decimal numbers up to two decimal places.	
■ Activities	
Introducing decimals	Decimals from Words to Digits 1
	Decimals on the Number Line
	Decimal Place Value
	Nearest Whole Number
	Who's got the Money?
	Money
	Money Problems: Four Operations
	Decimals from Words to Digits 1
★ Skill Quests	
Place value to hundredths	Introducing decimal notation
	Understanding decimal tenths
	Understanding decimal hundredths
	Partitioning decimal hundredths
Round decimal tenths & hundredths	Rounding decimal tenths & hundredths
Decimals used in money	Understanding decimals used in money
Ebooks	
Year 4, Series E: Fractions	Fractions, decimals and percentages

4.NA.Number.3

Represent numbers up to five-digits using place value and non-standard partitions with equations. Recognise the '10 times as many' place value relationship between adjacent places from right to left.

□ Activities	
ice Value	Place Value 3
	Expanded Notation
	Partition and Rename 2
	Partition and Rename 3
★ Skill Quests	
epresent numbers to 5-digits	Partitioning 5-digit numbers
	Understanding place value relationships
Ebooks	
Year 4, Series E: Reading and Understanding Whole Numbers	Place value of whole numbers
Year 5, Series F: Reading and Understanding Whole Numbers	Place value of whole numbers

4.NA.Number.4

Represent and explain the relationship between one whole being shared equally among 10 as 0.1 or 1/10 and being shared equally among 100 as 0.01 or 1/100 using concrete materials.

■ Activities	
Teacher directed	
★ Skill Quests	
Connect decimals & fractions	Connecting fractions & decimal notation
Ebooks	
Year 4, Series E: Fractions	Fractions, decimals and percentages

4.NA.Number.5 Represent and explain the relationship between multiplication and division, using arrays and equations.		
■ Activities		
Multiplication & division relationship	Double and Halve to Multiply	
	Fact Families: Multiply and Divide	
	Multiplication Arrays	
	Arrays 1	
	Arrays 2	
	Related Facts 2	
№ Skill Quests		
Relationship between mult/div	Using the conventions of multiplication	
	Inverse facts: multiplication & division	
Ebooks		
Year 4, Series E: Multiplication and Division	Division	

$\textbf{4.NA.Number.6}$ Recall multiplication facts up to 10×10 , and related division facts.		
■ Activities		
Multiplication & division facts	Model Multiplication to 5 × 5	
	Grouping in Threes	

	Grouping in Fours
	Grouping in Sixes
	Grouping in Sevens
	Grouping in Eights
	Grouping in Nines
	Dividing Threes
	Dividing Fours
	Dividing Sixes
	Dividing Sevens
	Dividing Eights
	Dividing Nines
	Missing Numbers: x and ÷ facts
	Times Tables
≌ Skill Quests	
Multiplication & division facts	Multiplication & division facts up to 5
	Multiplying & dividing by 6 up to 60
	Multiplying & dividing by 7 up to 70
	Multiplying & dividing by 8 up to 80
	Multiplying & dividing by 9 up to 90
	Multiplying & dividing to 10 x 10
Ebooks	
Year 4, Series E: Multiplication and Division	Multiplication facts
	Using known facts
	Division
Year 4 Rich Learning Task: Number	Split that fact

4.NA.Number.7 Explore and represent common equivalent fractions and make connections to their decimal representation.	
□ Activities	
Fractions & equivalents	Thirds and Sixths
	What Fraction Is Shaded 1
	What Fraction is Shaded?
	What Mixed Number Is Shaded?
	Equivalent Fraction Wall 1
	Equivalent Fraction Wall 2
🕍 Skill Quests	
Equivalent fractions	Investigating equivalent fractions less than 1
	Investigating equivalent fractions greater than 1
	Patterns in equivalent fractions
	Using multiplication to find equivalent fractions
☐ Ebooks	
Year 4, Series E: Fractions	Types of fractions
Year 5, Series F: Fractions	Types of fractions

Understanding equalities and inequalities

4.NA.Inequalities.1

Decide if statements of equality and inequality involving the four operations are true, and explain reasoning.

Activities

Teacher directed	
🕍 Skill Quests	
Equality & inequality in add/sub	Finding missing numbers in add/sub equations
	Relationship between addition & subtraction
	Add/sub equivalent number sentences
	Word problems for finding unknown quantities
Equality & inequality in mult/div	Finding missing numbers in mult/div equations
Equality & inequality all 4 operations	Mult/div equivalent number sentences
Ebooks	
Year 4, Series E: Patterns and Algebra	Equations and equivalence

Patterns and relationships

4.NA.Patterns.1 Create and represent increasing multiplicative patterns, using concrete materials and numbers, and describe rules to represent the pattern.	
■ Activities	
Teacher directed	
★ Skill Quests	
Represent multiplicative patterns	Investigating sequences with multiples
	Exploring number patterns
	Generating multiplication patterns from a rule
Ebooks	
Year 4, Series E: Patterns and Algebra	Patterns and functions

Calculating with number

4.NA.Calculating.1 Add and subtract whole numbers up to four-digits, using flexible and efficient strategies.		
■ Activities		
Addition & subtraction strategies	Complements to 10, 20, 50	
	Bump Add and Subtract	
	Jump Add and Subtract	
	Split Add and Subtract	
	Compensation - Add	
	Add Two 2-Digit Numbers	
	Column Addition 1	
	Subtract Numbers	
	2-Digit Differences: Regroup	
	Magic Symbols 1	
业 Skill Quests		
Addition & subtraction strategies	Add & subtract using a bar model	
	Add & subtract using place value partitioning	
	Add & subtract using jump strategies	
	Add & subtract using split strategies	
	Add & subtract using round & compensate strategies	
Ebooks		
Year 5, Series F: Addition and Subtraction	Addition mental strategies	
	Subtraction mental strategies	
	Written methods	

4.NA.Calculating.2

Multiply two-digit numbers by one-and two-digit numbers, and divide whole numbers by one-digit numbers, where there is no remainder, using flexible and efficient strategies.

Multiplication & division strategies Problems: Times and Divide Grid Methods 1 Bar Model Problems 1 Bar Model Problems 2 Multiply 3 single-digit numbers Multiply: 2 Digits Area Model Multiplying by 10, 100, 1000 Multiply: 2-Digit by 1-Digit Dividing by 10, 100, 1000 Mental Methods Division Divide: 1-Digit Divisor 1 ** Skill Quests Multiplication & division Multiplication strategies: 1-digit numbers Practising multiplication strategies Multiplying 2-digit numbers by a 1-digit number Multiplying 2-digit numbers by a 1-digit number Multiplying 2-digit numbers using doubling Multiplying 2-digit numbers using factorising Selecting effective multiplication strategies Selecting effective multiplication strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number **Procession of the division strategies Division Mental multiplication strategies Division Mental multiplication strategies		
Grid Methods 1 Bar Model Problems 1 Bar Model Problems 2 Multiply 3 single-digit numbers Multiply 2 Digits Area Model Multiplying by 10, 100, 1000 Multiply: 2-Digit by 1-Digit Dividing by 10, 100, 1000 Mental Methods Division Divide: 1-Digit Divisor 1 *** Skill Quests Multiplication & division Multiplication strategies: 1-digit numbers Practising multiplication strategies Multiplying 2-digit numbers by a 1-digit number Multiplying 2-digit numbers using doubling Multiplying 2-digit numbers using factorising Selecting effective multiplication strategies Selecting effective multiplication strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number	■ Activities	
Bar Model Problems 1 Bar Model Problems 2 Multiply 3 single-digit numbers Multiply 2 Digits Area Model Multiply 2 Digits Area Model Multiply: 2-Digit by 1-Digit Dividing by 10, 100, 1000 Multiply: 2-Digit by 1-Digit Dividing by 10, 100, 1000 Mental Methods Division Divide: 1-Digit Divisor 1 *** Skill Quests Multiplication & division Multiplication strategies: 1-digit numbers Practising multiplication strategies: Multiplying 2-digit numbers by a 1-digit number Multiplying 2-digit numbers using doubling Multiplying 2-digit numbers using factorising Selecting effective multiplication strategies Selecting effective division strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number Ebooks Year 4, Series E: Multiplication and Division Mental multiplication strategies Division	Multiplication & division strategies	Problems: Times and Divide
Bar Model Problems 2 Multiply 3 single-digit numbers Multiply 2 Digits Area Model Multiplying by 10, 100, 1000 Multiply: 2-Digit by 1-Digit Dividing by 10, 100, 1000 Mental Methods Division Divide: 1-Digit Divisor 1 ** Skill Quests Multiplication & division Multiplication strategies: 1-digit numbers Practising multiplication strategies Multiplying 2-digit numbers by a 1-digit number Multiplying 2-digit numbers using doubling Multiplying 2-digit numbers using factorising Selecting effective multiplication strategies Selecting effective division strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number **Ebooks** Vear 4, Series E: Multiplication and Division Mental multiplication strategies Division		Grid Methods 1
Multiply 3 single-digit numbers Multiply 2 Digits Area Model Multiplying by 10, 100, 1000 Multiply: 2-Digit by 1-Digit Dividing by 10, 100, 1000 Mental Methods Division Divide: 1-Digit Divisor 1 ** Skill Quests Multiplication & division Multiplication strategies: 1-digit numbers Practising multiplication strategies Multiplying 2-digit numbers by a 1-digit number Multiplying 2-digit numbers using doubling Multiplying 2-digit numbers using factorising Selecting effective multiplication strategies Selecting effective division strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number Multiplying 2-digit number by a 1-digit number Multiplying 2-digit number by a 1-digit number **Pebooks** **Year 4, Series E: Multiplication and Division** Mental multiplication strategies Division		Bar Model Problems 1
Multiply 2 Digits Area Model Multiplying by 10, 100, 1000 Multiply: 2-Digit by 1-Digit Dividing by 10, 100, 1000 Mental Methods Division Divide: 1-Digit Divisor 1 *** Skill Quests Multiplication & division Multiplication strategies: 1-digit numbers Practising multiplication strategies Multiplying 2-digit numbers by a 1-digit number Multiplying 2-digit numbers by a 1-digit number Multiplying 2-digit numbers using doubling Multiplying 2-digit numbers using factorising Selecting effective multiplication strategies Selecting effective division strategies Selecting effective division strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number **Ebooks** **Year 4, Series E: Multiplication and Division** Mental multiplication strategies Division		Bar Model Problems 2
Multiplying by 10, 100, 1000 Multiply: 2-Digit by 1-Digit Dividing by 10, 100, 1000 Mental Methods Division Divide: 1-Digit Divisor 1 *** Skill Quests Multiplication & division Multiplication strategies: 1-digit numbers Practising multiplication strategies Multiplying 2-digit numbers by a 1-digit number Multiplying 2-digit numbers using doubling Multiplying 2-digit numbers using factorising Selecting effective multiplication strategies Selecting effective multiplication strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number **Ebooks** **Year 4, Series E: Multiplication and Division** Mental multiplication strategies Division		Multiply 3 single-digit numbers
Multiply: 2-Digit by 1-Digit Dividing by 10, 100, 1000 Mental Methods Division Divide: 1-Digit Divisor 1 ** Skill Quests Multiplication & division Multiplication strategies: 1-digit numbers Practising multiplication strategies Multiplying 2-digit numbers by a 1-digit number Multiplying 2-digit numbers using doubling Multiplying 2-digit numbers using factorising Selecting effective multiplication strategies Selecting effective division strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number **Ebooks** Year 4, Series E: Multiplication and Division Mental multiplication strategies Division		Multiply 2 Digits Area Model
Dividing by 10, 100, 1000 Mental Methods Division Divide: 1-Digit Divisor 1 ** Skill Quests Multiplication & division Multiplication strategies: 1-digit numbers Practising multiplication strategies Multiplying 2-digit numbers by a 1-digit number Multiplying 2-digit numbers using doubling Multiplying 2-digit numbers using factorising Selecting effective multiplication strategies Selecting effective division strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number Ebooks Year 4, Series E: Multiplication and Division Mental multiplication strategies Division		Multiplying by 10, 100, 1000
Mental Methods Division Divide: 1-Digit Divisor 1 *** Skill Quests Multiplication & division Multiplication strategies: 1-digit numbers Practising multiplication strategies Multiplying 2-digit numbers by a 1-digit number Multiplying 2-digit numbers using doubling Multiplying 2-digit numbers using factorising Selecting effective multiplication strategies Selecting effective multiplication strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number **Ebooks** Year 4, Series E: Multiplication and Division Mental multiplication strategies Division		Multiply: 2-Digit by 1-Digit
Divide: 1-Digit Divisor 1 **Skill Quests** Multiplication & division** Multiplication strategies: 1-digit numbers Practising multiplication strategies Multiplying 2-digit numbers by a 1-digit number Multiplying 2-digit numbers using doubling Multiplying 2-digit numbers using factorising Selecting effective multiplication strategies Selecting effective division strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number **Ebooks** Year 4, Series E: Multiplication and Division** Mental multiplication strategies Division		Dividing by 10, 100, 1000
Multiplication & division Multiplication strategies: 1-digit numbers Practising multiplication strategies Multiplying 2-digit numbers by a 1-digit number Multiplying 2-digit numbers using doubling Multiplying 2-digit numbers using factorising Selecting effective multiplication strategies Selecting effective division strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number Ebooks Year 4, Series E: Multiplication and Division Mental multiplication strategies Division		Mental Methods Division
Multiplication & division Multiplication strategies: 1-digit numbers Practising multiplication strategies Multiplying 2-digit numbers by a 1-digit number Multiplying 2-digit numbers using doubling Multiplying 2-digit numbers using factorising Selecting effective multiplication strategies Selecting effective division strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number Ebooks Year 4, Series E: Multiplication and Division Mental multiplication strategies Division		Divide: 1-Digit Divisor 1
Practising multiplication strategies Multiplying 2-digit numbers by a 1-digit number Multiplying 2-digit numbers using doubling Multiplying 2-digit numbers using factorising Selecting effective multiplication strategies Selecting effective division strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number Ebooks Year 4, Series E: Multiplication and Division Mental multiplication strategies Division	业 Skill Quests	
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Multiplying 2-digit numbers using doubling Multiplying 2-digit numbers using factorising Selecting effective multiplication strategies Selecting effective division strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number Ebooks Year 4, Series E: Multiplication and Division Mental multiplication strategies Division		Practising multiplication strategies
Multiplying 2-digit numbers using factorising Selecting effective multiplication strategies Selecting effective division strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number Ebooks Year 4, Series E: Multiplication and Division Mental multiplication strategies Division		Multiplying 2-digit numbers by a 1-digit number
Selecting effective multiplication strategies Selecting effective division strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number Ebooks Year 4, Series E: Multiplication and Division Mental multiplication strategies Division		Multiplying 2-digit numbers using doubling
Selecting effective division strategies Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number Ebooks Year 4, Series E: Multiplication and Division Mental multiplication strategies Division		Multiplying 2-digit numbers using factorising
Comparisons using the language of multiplication Dividing a 2-digit number by a 1-digit number Ebooks Year 4, Series E: Multiplication and Division Mental multiplication strategies Division		Selecting effective multiplication strategies
Dividing a 2-digit number by a 1-digit number Ebooks Year 4, Series E: Multiplication and Division Mental multiplication strategies Division		Selecting effective division strategies
Year 4, Series E: Multiplication and Division Mental multiplication strategies Division		Comparisons using the language of multiplication
Year 4, Series E: Multiplication and Division Mental multiplication strategies Division		Dividing a 2-digit number by a 1-digit number
Division	Ebooks	
<u> </u>	Year 4, Series E: Multiplication and Division	Mental multiplication strategies
Mental division strategies		Division
		Mental division strategies

4.NA.Calculating.3

Explore a range of additive estimation strategies for different situations, including using knowledge of odd and even numbers.	
■ Activities	
Additive estimation strategies	Estimate Sums
	Estimate Differences
	Odd and Even Numbers 1
★ Skill Quests	
Use estimation & rounding	Rounding & estimating with addition
	Checking accuracy of addition & subtraction
	Using estimating with money
☐ Ebooks	
Year 4, Series E: Reading and Understanding Whole Numbers	Round and estimate

Financial mathematics

4.NA.Financial.1

Explore saving and spending, recognising that limited amounts of money are available.

Activities

Introducing decimals	Who's got the Money?
	Money Problems: Four Operations
★ Skill Quests	
Addition & subtraction money problems	Adding & subtracting money
Ebooks	
Year 4, Series E: Addition and Subtraction	Money

Modelling with number

4.NA.Modelling.1 Identify and represent real-world additive and multiplicative situations with diagrams and equations to reach a solution. Interpret and communicate findings in context.	
Introducing decimals	Money Problems: Four Operations
Multiplication & division strategies	Problems: Times and Divide
业 Skill Quests	
Addition & subtraction word problems	Addition & subtraction word problems
	Expressing word problems as equations
Multiplication & division word problems	Expressing equations as word problems
	Solving multiplication & division word problems
Ebooks	
Year 4, Series E: Addition and Subtraction	Addition mental strategies
	Subtraction mental strategies
	Written methods
	Money
Year 4, Series E: Multiplication and Division	Games and investigations
Year 4 Rich Learning Task: Number	Split that fact
	Coin Count

Measurement & geometry

Two-dimensional space and structures

4.MG.2D.1 Explore, visualise, describe and create two-dimensional shapes that result from combining or splitting familiar shapes. □ Activities Teacher directed □ Skill Quests Identify & create composite shapes Composing & decomposing 2D shapes

4.MG.2D.2 Estimate, measure and compare the perimeter of two-dimensional shapes, using scaled instruments and appropriate informal or formal units.	
■ Activities	
2D space & structures	Perimeter of Shapes
	Perimeter: Squares and Rectangles
业 Skill Quests	
Measure perimeter	Introducing perimeter
	Measuring perimeter

☐ Ebooks	
Year 4, Series E: Length, Area and Perimeter	Perimeter

4.MG.2D.3 Estimate, measure and compare the areas of rectangles, using uniform informal square units in arrays.	
■ Activities	
2D space & structures	Biggest Shape
	Equal Areas
	Area of Shapes
🕍 Skill Quests	
Measure area	Measuring & estimating area using square units
Ebooks	
Year 4, Series E: Length, Area and Perimeter	Area

4.MG.2D.4 Indirectly compare angles and identify as being equal to, greater than or less than a right angle. Activities	
2D space & structures	Equal Angles
	Comparing Angles
	Right Angle Relation
	What Type of Angle?
🕍 Skill Quests	
Classify angles	Classifying angles
☐ Ebooks	
Year 4, Series E: Space, Shape and Position	Lines, angles and shapes

4.MG.2D.5 Create or interpret a grid map, describe positions and pathways, and explore scale and legends. Electronic Activities	
2D space & structures	Coordinate Meeting Place
	Map Coordinates
	Using a Key
	What Direction was That?
	More Directions!
🕍 Skill Quests	
Create & interpret grid references	Working with grid reference systems
Ebooks	
Year 4, Series E: Space, Shape and Position	Position

Three-dimensional space and structures

4.MG.3D.1 Connect three-dimensional objects to their two-dimensional representations and visualise and describe key features that cannot be seen.	
■ Activities	
3D space & structures	Relate Shapes and Solids
	Collect the Objects 2

🕍 Skill Quests	
Connect 3-D objects to 2-D shapes	Connecting 3-D objects to 2-D shapes
□ Ebooks	
Year 4, Series E: Space, Shape and Position	Investigating 3D shapes

4.MG.3D.2 Estimate, measure and compare capacity in litres and millilitres using scaled instruments.		
■ Activities		
3D space & structures	Using a Litre	
★ Skill Quests		
Estimate, measure & compare capacity	Measuring capacity in litres	
	Measuring capacity in millilitres	
Ebooks		
Year 4, Series E: Volume, Capacity and Mass	Volume and capacity	

4.MG.3D.3 Explore and directly compare volumes and recognise that objects with different shapes can have the same volume.	
■ Activities	
3D space & structures	How many Blocks?
	Comparing Volume
	Volume of Solids and Prisms - 1cm ³ blocks
★ Skill Quests	
Explore & compare volume	Exploring & comparing volume
Ebooks	
Year 4, Series E: Volume, Capacity and Mass	Volume and capacity

Non-spatial measurement

4.MG.NSM.1 Estimate and measure mass in kilograms and grams using analogue and digital scales.	
■ Activities	
Non-spatial measurement	How Heavy?
🕍 Skill Quests	
Introducing kilograms & grams	Introducing kilograms
	Introducing grams
	Selecting appropriate units to measure mass
Comparing, ordering & measuring mass	Comparing, ordering & measuring mass
☐ Ebooks	
Year 4, Series E: Volume, Capacity and Mass	Mass

4.MG.NSM.2 Convert between units of time, tell the time on digital and analogue clocks using 'am' and 'pm' notation and determine duration.	
■ Activities	
Non-spatial measurement	What is the Time?
	Time Conversions: Whole Numbers 1

	Time Conversions: Whole Numbers 2
	Time Conversions: Simple Fractions
	Time Conversions: Simple Decimals (0.25, 0.5, 0.75)
★ Skill Quests	
Convert units of time	Converting units of time
Solve duration of time problems	Understanding am & pm notation
Ebooks	
Year 4, Series E: Time	Telling time
	Measuring time

Modelling with measurement and geometry

4.MG.Modelling.1

In real-world situations involving two-dimensional shapes, three-dimensional objects, grid maps, determining length, capacity or mass in metric units or converting between units of time, mathematically represent the problem to reach a solution. Interpret and communicate findings in the context of the situation.

	<u> </u>
□ Activities	
3D space & structures	Volume of Solids and Prisms - 1cm³ blocks
Non-spatial measurement	How Heavy?
	Time Conversions: Whole Numbers 1
	Time Conversions: Whole Numbers 2
	Time Conversions: Simple Fractions
	Time Conversions: Simple Decimals (0.25, 0.5, 0.75)
★ Skill Quests **Text	
Real-world measurement & geometry	Reading scales with metric units
	Real-life mass situations
	Identifying objects in the environment
	Calculating start & end times of events
	Solving duration of time problems
Ebooks	
Year 4, Series E: Space, Shape and Position	Lines, angles and shapes
	Investigating 3D shapes
	Position
Year 4, Series E: Time	Telling time
	Measuring time
Year 4, Series E: Volume, Capacity and Mass	Volume and capacity
	Mass

Probability & statistics

Probability

4.PS.Probability.1 Order the likelihood of everyday chance events. Identify when events are not affected by previous events.	
■ Activities	
Probability & chance	Chance Gauge
	What are the Chances?
	Introductory probability
	Counting Techniques 1
★ Skill Quests	
Chance events	Describing & ordering chance of events

Year 4, Series E: Chance and data Chance

4.PS.Probability.2

Predict the likelihood of outcomes of unequally likely, repeated chance experiments. Conduct the experiments, describe variation and compare to the prediction.

Teacher directed ➤ Skill Quests Conduct chance experiments Investigating equally likely outcomes of chance Ebooks

Chance

Statistics

Year 4, Series E: Chance and data

4.PS.Statistics.1 Describe and interpret real-life data represented in many-to-one pictographs and column graphs. Activities	
Interpreting data	Picture Graphs: with scale & half symbols
	Making Picture Graphs: With Scale
	Column Graphs
	Reading from a Column Graph
业 Skill Quests	
Represent data with many-to-one graphs	Column graphs using many-to-one correspondence
	Picture graphs with many-to-one correspondence
Ebooks	
Year 4, Series E: Chance and data	Data

4.PS.Statistics.2

In a real-world context, pose questions and collect categorical or discrete numerical data, checking for accuracy and consistency.

Organise and represent data in pictographs and column graphs and interpret the data to communicate findings in terms of the

Context. E Activities Teacher directed V Skill Quests Collect data Surveys & sorting data Ebooks Year 4, Series E: Chance and data Data

Year 5

Number & algebra

Understanding number

5.NA.Number.1 Read, write and order seven-digit numbers and beyond. Activities	
Read, write & order numbers	Place Value to Millions
	Place Value to Billions
	Numbers from Words to Digits 1
	Numbers from Words to Digits 2
	Greater Than or Less Than?
	Equal, less or Greater Than?
业 Skill Quests	
Read, write & order any numbers	Representing & ordering numbers of any size
Ebooks	
Year 5, Series F: Reading and Understanding Whole Numbers	Looking at whole numbers

5.NA.Number.2 Read, write, compare and order decimal numbers, including on a number line. Activities	
Decimal numbers	Decimals from Words to Digits 2
Decinial nambers	Decimals not the Number Line
	Nearest Whole Number
	Comparing Decimals
	Comparing Decimals 2
	Decimal Order
★ Skill Quests ★ Continue of the property of the proper	
Read & order decimals to thousandths	Introducing decimal thousandths
	Comparing & ordering decimals
	Interpreting zeros at end of decimals
	Decimal & fraction equivalences
	Connecting decimals to the metric system
Ebooks	
Year 5, Series F: Fractions, Decimals and Percentages	Fractions, decimals and percentages

5.NA.Number.3 Represent and partition numbers up to seven-digits. Use the multiplicative place value relationship between adjacent places to explain the value of a digit.		
■ Activities		
Place value	Partition and Rename 3	
	Expanded Notation	
	Rounding Numbers	
业 Skill Quests		

Represent & partition numbers to 7-digit	Partitioning 6-digit numbers
	Partitioning numbers of any size
Ebooks	
Year 5, Series F: Reading and Understanding Whole Numbers	Place value of whole numbers

5.NA.Number.4 Represent and partition decimal numbers. Use the multiplicative place value relationship between adjacent places to explain the value of a digit. Activities Represent & partition decimal numbers Decimal Place Value Multiply Decimals: 10, 100, 1000 Multiply Decimals and Powers of 10 **Skill Quests** Partition decimals of any size Partitioning decimals of any size **Ebooks** Year 5, Series F: Fractions, Decimals and Percentages Fractions, decimals and percentages Year 6, Series G: Fractions, Decimals and Percentages **Decimal fractions**

5.NA.Number.5 Explore, identify and represent factors and multiples of whole numbers in arrays and explain reasoning.	
□ Activities	
Factors & multiples	Multiples
	Lowest Common Multiple
	Factors
	Highest Common Factor
	Find the Factor
	Divisibility Tests (2, 5, 10)
	Divisibility Tests (3, 4, 9)
	Tests of Divisibility 1
业 Skill Quests	
Multiples & factors	Finding multiples
	Finding factors
	Solving problems using factors & multiples
☐ Ebooks	
Year 5, Series F: Multiplication and Division	Mental multiplication strategies
	Mental division strategies
Year 5 Rich Learning Task: Number	Hotdogs

5.NA.Number.6 Count by unit fractions, locate and represent on number lines and extend to mixed numerals.	
□ Activities	
Count by unit fractions	Identifying Fractions on a Number Line
	Identifying Fractions Beyond 1
	Counting with Fractions on a Number Line
	Mixed and Improper Fractions on a Number Line
业 Skill Quests	
Count & represent unit fractions	Counting & representing unit fractions

	Comparing unit fractions
Ebooks	
Year 5, Series F: Fractions	Fractions
	Types of fractions

5.NA.Number.7 Identify the use of percentages in everyday situations and recognise that 100% represents a complete whole, which is equal to one.		
■ Activities		
Introducing percentages	Modelling Percentages	
	Percents and Decimals	
	Common Fractions as Percentages (AU)	
Fractions, decimals & percentages	Introducing percentages	
	Connecting percentages & decimals	
	Connecting percentages & fractions	
	Relationship - percentages, decimals & fractions	
☐ Ebooks		
Year 5, Series F: Fractions	Fractions, decimals and percentages	

Understanding equalities and inequalities

5.NA.Inequalities.1 Complete and check statements of equality and inequality involving the four operations, and explain reasoning.	
□ Activities	
Equality & inequality	Equivalent Facts: Multiply
	Missing Values
	Missing Numbers: Variables
	Solve Equations: Multiply, Divide 1
	I am Thinking of a Number!
★ Skill Quests	
Equality & inequality - 4 operations	Equality & inequality involving 4 operations
Ebooks	
Year 5, Series F: Patterns and Algebra	Equations and equivalence
	Using equations

Patterns and relationships

5.NA.Patterns.1 Follow rules to create increasing or decreasing additive and multiplicative patterns using concrete materials and numbers. Explore ways to predict unknown values. Activities	
Equality & inequality	Missing Values
	I am Thinking of a Number!
	Fit the Conditions 1
Describing Patterns	
™ Skill Quests	
Additive & multiplicative patterns	Additive & multiplicative patterns

Ebooks	
Year 5, Series F: Patterns and Algebra	Patterns and functions

Calculating with number

Skill Quests

Add & subtract fractions

Year 5, Series F: Fractions

Ebooks

5.NA.Calculating.1 Add and subtract any whole numbers, using flexible and efficient strategies.		
■ Activities		
Addition & subtraction strategies	Complements to 10, 20, 50	
	Bump Add and Subtract	
	Jump Add and Subtract	
	Split Add and Subtract	
	Compensation - Add	
	Add Two 2-Digit Numbers	
	Column Addition 1	
	Add 3-Digit Numbers	
	Adding Colossal Columns	
	Subtract Numbers	
	2-Digit Differences: Regroup	
	3-Digit Differences	
	3-Digit Differences: 1 Regrouping	
	Add Subtract Fractions 1	
	Magic Symbols 1	
业 Skill Quests		
Add & subtract numbers of any size	Adding strategies with numbers of any size	
	Subtracting strategies with numbers of any size	
	Selecting efficient strategies to add & subtract	
	Using rounding to estimate	
	Checking the accuracy of answers	
Ebooks		
Year 5, Series F: Addition and Subtraction	Addition mental strategies	
	Subtraction mental strategies	
	Written methods	
5.NA.Calculating.2 Add and subtract fractions with the same denominator, using flexible and efficient strategies.		
□ Activities		
Add & subtract related fractions	Add: Common Denominator	
	Subtract: Common Denominator	
	Common Denominator	
	One Take Fraction	
	SS Take Fraction	

Calculating

Add Like Mixed Numbers
Subtract Like Mixed Numbers

Add & subtract proper fractions - same denominator Add & subtract mixed numerals - same denominator

5.NA.Calculating.3

Multiply larger whole numbers by one- and two-digit numbers and divide whole numbers by one-digit numbers, including those with remainders, using flexible and efficient strategies.

■ Activities		
Multiplication & division strategies	Bar Model ×÷	
	Problems: Times and Divide	
	Multiply Multiples of 10	
	Multiply More Multiples of 10	
	Multiply 2 Digits Area Model	
	Grid Methods 1	
	Double and Halve to Multiply	
	Mental Methods Multiplication 1	
	Dividing by 10, 100, 1000	
	Division Facts 1	
	Remainders by Arrays	
	Mental Methods Division 1	
	Mental Methods Division	
	Multiply: 1-Digit Number	
	Multiply: 2-Digit by 1-Digit	
	Multiply: 2-Digit Number, Regroup	
	Divide: 1-Digit Divisor 1	
业 Skill Quests		
Strategies to multiply by 1- or 2-digits	Multiplication using multiples of 10	
	Multiplying: rounding, compensating & partitioning	
	Multiplying: doubling, halving & thirding	
	Multiplying using the split method	
	Multiplying using an area model	
	Multiplying by factorising	
	Multiplying using expanded algorithm	
	Multiplying using contracted algorithm	
	Multiplying using extended form of algorithm	
Division strategies incl. remainders	Dividing by a 1-digit number using decomposition	
	Dividing by a 2-digit number using decomposition	
	Extended division - no remainders or zeros	
	Extended division with remainders	
	Extended division with & without remainders	
	Contracted division - no remainders or zeros	
	Contracted division- no remainders	
	Contracted division - with & without remainders	
	Dividing by 2-digit numbers - formal algorithms	
Ebooks		
Year 5, Series F: Multiplication and Division	Mental multiplication strategies	
	Mental division strategies	
	Written methods	

5.NA.Calculating.4 Explore multiplicative estimation strategies and their appropriateness in different situations. Activities	
Rounding & estimating	Estimate Products Estimate Quotients Estimation: Multiply and Divide

★ Skill Quests	
Use multiplicative estimation strategies	Using multiplicative estimation strategies
☐ Ebooks	
Year 5, Series F: Reading and Understanding Whole Numbers	Round and estimate

Financial mathematics

5.NA.Financial.1 Identify features of budgets and create a simple budget, comparing prices where possible.	
□ Activities	
Financial mathematics	Money Problems: Four Operations
	Budgeting
™ Skill Quests	
Create a simple budget	Creating a simple budget

Modelling with number

5.NA.Modelling.1 Identify and represent a range of real-world additive and multiplicative situations with equations, using diagrams where needed. Interpret and communicate findings in context.		
■ Activities		
Multiplication & division strategies	Bar Model ×÷	
	Problems: Times and Divide	
≌ Skill Quests		
Add & subtract real-world problems	Addition & subtraction word problems	
	Expressing word problems as equations: add/sub	
	Solving add & subtract money problems	
Multiply & divide real-world problems	Multiplication & division word problems	
	Expressing word problems as equations: mult/div	
	Solving mult-step mult/div word problems	
	Solving mult & div money problems	
All operations real-world problems	Express equations as word problems all operations	
Ebooks		
Year 5, Series F: Addition and Subtraction	Addition mental strategies	
	Subtraction mental strategies	
	Written methods	
Year 5, Series F: Multiplication and Division	Mental multiplication strategies	
	Mental division strategies	
	Written methods	
Year 5 Rich Learning Task: Number	The age of Aunt Lil	

Measurement & geometry

Two-dimensional space and structures

	5.MG.2D.1
	Explore line and rotational symmetry in two-dimensional shapes.
■ Activitie	es

2D space & structures	Rotational Symmetry
★ Skill Quests	
Explore line & rotational symmetry	Exploring line & rotational symmetry
☐ Ebooks	
Year 5, Series F: Geometry	Transformation, tessellation and symmetry

5.MG.2D.2 Choose and use appropriate metric units and part units to estimate and measure lengths.		
■ Activities		
2D space & structures	Centimetres and Metres	
	Kilometre Conversions	
	Metres and Kilometres	
业 Skill Quests		
Estimate & measure length	Selecting & using appropriate measures for length	
	Comparing & ordering lengths	
□ Ebooks		
Year 5, Series F: Length, Perimeter and Area	Units of length	

5.MG.2D.3 Describe and test a sequence of steps to determine the perimeter of rectangles.	
□ Activities	
2D space & structures	Perimeter: Squares and Rectangles
★ Skill Quests	
Calculate perimeter	Calculating the perimeter of rectangles
Ebooks	
Year 5, Series F: Length, Perimeter and Area	Perimeter

5.MG.2D.4 Identify dimensions of a metric square unit. Estimate, measure and compare areas using metric square units. Activities	
2D space & structures	Area of Shapes Biggest Shape Equal Areas Area: Squares and Rectangles
™ Skill Quests	
Calculate area	Calculating area
□ Ebooks	
Year 5, Series F: Length, Perimeter and Area	Area

5.MG.2D.5 Estimate, measure and construct angles in degrees using a protractor. Classify acute, right, obtuse, reflex and straight angles.	
■ Activities	
2D space & structures	Classifying Angles
	Measuring Angles
	Estimating Angles

™ Skill Quests	
Measure & classify angles	Estimating, measuring & comparing angles
	Constructing & classifying angles
☐ Ebooks	
Year 5, Series F: Geometry	Lines and angles
Year 5 Rich Learning Task: Geometry	What triangle?

5.MG.2D.6 Use directional language, grid references and grid coordinates to describe positions and pathways.	
□ Activities	
2D space & structures	Map Coordinates
	Coordinate Graphs: 1st Quadrant
	More Directions!
★ Skill Quests	
Use coordinates in a grid system	Working with grid referenced maps
	Using Cartesian coordinate system - 1st quadrant
Use directional language	Using landmarks & directional language
Ebooks	
Year 5, Series F: Position	Spatial orientation
	Coordinates
	Directions

Three-dimensional space and structures

5.MG.3D.1 Visualise and connect three-dimensional objects to their nets and build objects from their nets.	
■ Activities	
3D space & structures	Nets
	What Pyramid am I?
	What Prism am I?
	Prisms and Pyramids
Connect objects to nets	Connecting prisms & pyramids with their nets
	Connecting 3D objects with their nets
Ebooks	
Year 5, Series F: Geometry	3D shapes

5.MG.3D.2 Choose appropriate units to estimate and measure capacity.		
■ Activities		
3D space & structures	Millilitres and Litres	
	Litre Conversions	
★ Skill Quests		
Use appropriate units for capacity	Using appropriate units for capacity (L & mL)	
☐ Ebooks		
Year 5, Series F: Volume, Capacity & Mass	Volume and capacity	

Non-spatial measurement

5.MG.NSM.1 Choose appropriate units to estimate, measure and compare mass. Activities	
Non-spatial measurement	Kilogram Conversions
	Grams and Kilograms
	Converting Units of Mass
	Mass Word Problems
★ Skill Quests	
Use appropriate units for mass	Choosing appropriate units for mass
	Decimal representations - metric system
Ebooks	
Year 5, Series F: Volume, Capacity & Mass	Mass

5.MG.NSM.2 Explore, describe and convert between 12- and 24-hour time systems and use to determine duration.	
Non-spatial measurement	Time Conversions: Simple Fractions Time Conversions: Simple Decimals (0.25, 0.5, 0.75) What Time Will it Be? Time Mentals Elapsed Time 24 Hour Time Using Timetables
业 Skill Quests	
Use 24-hour time	Using 24-hour notation
Ebooks	
Year 5, Series F: Time	Measuring time
	Calculating time Timetables

5.MG.Modelling.1

In real-world situations involving transformation of two-dimensional shapes, nets, grid reference systems, determining length, area, capacity, volume or mass in metric units or converting between 12- and 24-hour time, mathematically represent the problem to reach a solution. Interpret and communicate findings in the context of the situation.

■ Activities	
2D space & structures	Centimetres and Metres
	Kilometre Conversions
	Metres and Kilometres
	Equal Areas
	Map Coordinates
	More Directions!
3D space & structures	Millilitres and Litres
Non-spatial measurement	What Time Will it Be?
	Using Timetables
业 Skill Quests	
Real-world measurement & geometry	Calculating practical perimeter problems
	Calculating practical area problems
	Identifying & describing transformations
	Using 24-hour time in timetables
Ebooks	
Year 5, Series F: Length, Perimeter and Area	Units of length
	Travelling far
	Perimeter
	Area
Year 5, Series F: Time	Calculating time
	Timetables
Year 5, Series F: Volume, Capacity & Mass	Volume and capacity
	Mass
Year 5, Series F: Geometry	Lines and angles
	Transformation, tessellation and symmetry
	3D shapes

Probability & statistics

Probability

5.PS.Probability.1 Compare a range of everyday chance events, grouping into those with outcomes that are equally likely or not equally likely. Activities		
Chance & probability	What are the Chances?	
	Chance Gauge	
	Introductory Probability	
	Fair Games	
业 Skill Quests		
Compare outcomes of chance events	Investigating equally likely outcomes	
	Exploring fair & unfair chance experiments	
Ebooks		
Year 5, Series F: Chance and Probability	Chance and probability	

5.PS.Probability.2

Conduct repeated chance experiments with equally likely outcomes, including with the use of digital tools. Represent results as fractions, compare with others and discuss variation.

Teacher directed ★★ Skill Quests Represent chance results as fractions Ebooks Year 5, Series F: Chance and Probability Chance and probability

Statistics

5.PS.Statistics.1 Describe and interpret line graphs that show how real-life continuous data changes over time.	
■ Activities	
Statistics	Line Graphs: Interpretation
🕍 Skill Quests	
Interpret line graphs	Interpreting line graphs
☐ Ebooks	
Year 5, Series F: Data Representation	Types of graphs 3

5.PS.Statistics.2

In a real-world context, pose and refine questions, and collect categorical or discrete numerical data. Organise and make choices to represent data. Interpret and communicate findings in terms of the context, and reflect on variation and accuracy.

to represent data. Interpret and communicate findings in terms of the context, and reflect on variation and accuracy.	
■ Activities	
Statistics	Travel Graphs
	Stem and Leaf Plots: Concept
	Dot Plots
	Divided Bar Graphs
🕍 Skill Quests	
Collect & organise data	Conducting surveys or statistical investigations
Interpret data	Interpreting data
Ebooks	
Year 5, Series F: Data Representation	Types of graphs 1
	Types of graphs 2
	Types of graphs 3
	Collecting and analysing data
	Data investigations

Year 6

Number & algebra

Understanding number

6.NA.Number.1 Investigate the use of positive and negative integers to represent everyday situations. Read, write and order integers on a number line. Activities	
Introducing integers	Integers on a Number Line
	Directed Numbers
	Ordering Integers (Number Line)
	Comparing Integers (<, =, >)
	What's the Temperature (Celsius)?
★ Skill Quests ■ Continue of the property of the proper	
Understand integers	Recognising situations that use integers
	Locating & representing integers on a number line
Ebooks	
Year 7, Series H: Directed Numbers	Plotting on number lines
	Opposite directions – negative numbers
	Extending the number line

6.NA.Number.2 Represent and explain the multiplicative place value relationship between places in any number, including decimals.	
■ Activities	
Multiplicative relationship of place value	Place Value to Millions
	Place Value to Billions
	Decimal Place Value
址 Skill Quests	
Represent multiplicative place value	Represent multiplicative place value relationships
Ebooks	
Year 6, Series G: Reading and Understanding Whole Numbers	Read and understand numbers
Year 6, Series G: Fractions, Decimals and Percentages	Calculating

6.NA.Number.3 Explore, identify and represent square, prime and composite numbers in arrays and explain reasoning. Activities	
Multiples, factors, primes & composites	Multiples
	Multiples of
	Highest Common Factor
	Lowest Common Multiple
	Prime or Composite?
™ Skill Quests	
Prime, composite & square numbers	Introducing prime & composite numbers
	Introducing square numbers

☐ Ebooks	
Year 6, Series G: Reading and Understanding Whole Numbers	Types of numbers
Year 7, Series H: Special Numbers, Factors and	Odd, even, prime and composite numbers
Multiples	Square numbers

6.NA.Number.4 Order common fractions with the same and related denominators, including mixed numerals, using diagrams and number lines. Electronic Activities	
Comparing & ordering fractions	Identifying Fractions on a Number Line
	Mixed and Improper Fractions on a Number Line
	Compare Fractions 2
	Comparing Fractions 2
	Ordering Fractions
★ Skill Quests ** ** ** ** ** ** ** ** **	
Compare & order common fractions	Recognise, compare & represent common fractions
	Comparing common fractions on a number line
☐ Ebooks	
Year 6, Series G: Fractions, Decimals and Percentages	Fractions

6.NA.Number.5 Connect commonly used percentages, including 10%, 25% and 50% to fractions and decimals, including on a number line. Activities Fractions, decimals & percentages **Modelling Percentages** Fraction Wall Labelling 2 Fractions to Decimals Decimals to Fractions 1 Percentage to Fraction **Decimals to Percentages** Common Fractions as Percentages (AU) Fractions to Percentages (Non-Calculator) **Percents and Decimals** Match Decimals and Percentages Calculating Percentages (Mental) **Complementary Percentages** Percentage of an amount using fractions (<100%) **Skill Quests** Representing fractions, decimals & percentages Fractions, decimals & percentages Connecting percentages to fractions & decimals **Ebooks** Year 6, Series G: Fractions, Decimals and Percentages **Decimal fractions**

Understanding equalities and inequalities

6.NA.Inequalities.1

Complete, check and construct statements of equality and inequality involving the four operations, including the use of brackets and order of operations, and explain reasoning.

Activities

Equality & inequality	Solve Equations: Add, Subtract 1
	Solve Equations: Multiply, Divide 1
	Equivalent Facts: Multiply
	Order of Operations 1 (BIDMAS)
	Identifying errors in applying the order of operations
★ Skill Quests	
Equality & inequality - 4 operations	Equality & inequality involving 4 operations
Understand order of operations	Order of operations with no grouping symbols
	Order of operations using grouping symbols
☐ Ebooks	
Year 6, Series G: Patterns and Algebra	Solving equations
	Properties of arithmetic

Patterns and relationships

6.NA.Patterns.1

Create and represent increasing or decreasing patterns using concrete materials and numbers. Use words to generalise rules that relate each element of a pattern to its position.

that relate each element of a pattern to its position.		
■ Activities		
Patterns & rules	Increasing Patterns	
	Decreasing Patterns	
	Describing Patterns	
	Find the Pattern Rule	
	Table of Values	
	Pattern Rules and Tables	
	Number Sequences Up to 1 Million	
	Find the Missing Number 2	
	Missing Numbers: Variables	
业 Skill Quests		
Recognise & use rules for patterns	Continuing & creating number sequences	
	Manipulating numbers using a given rule	
	Creating algorithms for sets	
□ Ebooks		
Year 6, Series G: Patterns and Algebra	Patterns and functions	
	Algebraic thinking	

Calculating with number

6.NA.Calculating.1

Choose and use flexible and efficient strategies to calculate with whole numbers, involving any of the four operations and

explore the use of the order of operations.	
□ Activities	
Operations with whole numbers	Jump Add and Subtract
	Split Add and Subtract
	Compensation - Add
	Add 3-Digit Numbers
	Add Multi-Digit Numbers 1
	Add Three 2-Digit Numbers: Regroup
	Add 3-Digit Numbers: Regroup
	Adding Colossal Columns

	3-Digit Differences
	3-Digit Differences: 1 Regrouping
	Subtracting Colossal Columns
	Grid Methods 2
	Grid Methods 1
	Multiplying by 10, 100, 1000
	Dividing by 10, 100, 1000
	Mental Methods Multiplication 2
	Mental Methods Division 2
	Long Multiplication
	Short Division
★ Skill Quests	
Skill Quests Operations with whole numbers	Adding & subtracting to solve word problems
	Adding & subtracting to solve word problems Multiplying & dividing by multiples of 10
	Multiplying & dividing by multiples of 10
	Multiplying & dividing by multiples of 10 Selecting efficient mult/div strategies
Operations with whole numbers	Multiplying & dividing by multiples of 10 Selecting efficient mult/div strategies
Operations with whole numbers Ebooks	Multiplying & dividing by multiples of 10 Selecting efficient mult/div strategies Division problems
Operations with whole numbers Ebooks	Multiplying & dividing by multiples of 10 Selecting efficient mult/div strategies Division problems Mental strategies
Operations with whole numbers Ebooks	Multiplying & dividing by multiples of 10 Selecting efficient mult/div strategies Division problems Mental strategies Applying strategies
Operations with whole numbers Ebooks Year 6, Series G: Addition and Subtraction	Multiplying & dividing by multiples of 10 Selecting efficient mult/div strategies Division problems Mental strategies Applying strategies Written methods
Operations with whole numbers Ebooks Year 6, Series G: Addition and Subtraction	Multiplying & dividing by multiples of 10 Selecting efficient mult/div strategies Division problems Mental strategies Applying strategies Written methods Mental multiplication strategies

6.NA.Calculating.2 Add and subtract fractions with related denominators, using flexible and efficient strategies, based on knowledge of equivalence. Activities Add & subtract fractions Add Subtract Fractions 1 **Common Denominator** Add: Common Denominator **Subtract: Common Denominator** One Take Fraction Add Like Mixed Numbers **Subtract Like Mixed Numbers Skill Quests** Add & subtract proper fractions Adding fractions with related denominators Subtracting fractions with related denominators Add & subtract fractions - related denominators Add & subtract mixed numerals Adding fractions & mixed numerals Subtracting fractions & mixed numerals **Ebooks**

6.NA.Calculating.3 Add and subtract decimals to two decimal places, using flexible and efficient strategies.	
■ Activities	
Add & subtract decimals	Estimate Decimal Sums 2
	Estimate Decimal Differences 2

Calculating

Year 6, Series G: Fractions, Decimals and Percentages

	Decimal Complements
	Estimate Decimal Sums 1
	Estimate Decimal Differences 1
★ Skill Quests **Text	
Add/sub decimals - mental strategies	Adding decimals using mental strategies
	Subtracting decimals using mental strategies
Add/sub decimals - digital technologies	Adding decimals using written method
	Subtracting decimals using written method
Add/sub decimals - written method	Adding decimals using written method
	Subtracting decimals using written method
Add/sub decimals - estimating	Estimating sums & differences of decimals
Ebooks	
Year 6, Series G: Fractions, Decimals and Percentages	Calculating

6.NA.Calculating.4 Multiply decimals by whole numbers and multiply and divide decimals by powers of 10, using flexible and efficient strategies.	
□ Activities	
Fractions, decimals & percentages calculations	Model Fractions to Multiply
	Multiply Decimals: 10, 100, 1000
	Divide Decimals: 10, 100, 1000
	Estimate Decimal Operations
★ Skill Quests	
Multiply/divide decimals by powers of 10	Multiplying decimals by powers of 10
	Dividing decimals by powers of 10
	Using estimation
Ebooks	
Year 6, Series G: Fractions, Decimals and Percentages	Calculating

6.NA.Calculating.5 Determine a familiar fraction, decimal or percentage of a whole number.	
□ Activities	
Fractions, decimals & percentages calculations	Estimate Products with Fractions
	Fraction Word Problems
	Fractions of a Collection 1
	Fractions of a Collection 2
	Percentage Word Problems
🕍 Skill Quests	
Find a fraction of a quantity	Finding a fraction of a quantity
Calculate percentages	Calculating percentages
☐ Ebooks	
Year 6, Series G: Fractions, Decimals and Percentages	Fractions of an amount

6.NA.Calculating.6 Use estimation and rounding to make reasonable evaluations and justify results.	
■ Activities	
Fractions, decimals & percentages calculations	Estimate Decimal Operations
	Estimate Products with Fractions

🕍 Skill Quests	
Estimate to make reasonable evaluations	Estimating to make reasonable evaluations
	Using rounding to estimate
	Estimation strategies with financial calculations
Ebooks	
Year 6, Series G: Reading and Understanding Whole Numbers	Round and estimate
Year 6, Series G: Fractions, Decimals and Percentages	Decimal fractions

Financial mathematics

6.NA.Financial.1 Create a plan for a savings goal, predict expenses and identify that saving money with a bank attracts interest.	
□ Activities	
Financial mathematics	Money Problems: Four Operations
Budgeting	
★ Skill Quests	
Create a financial plan	Creating a financial plan

Modelling with number

6.NA.Modelling.1 In real-world situations involving whole numbers, order of operations and fractions with the same denominator. I. analyse the situation and identify relevant information II. mathematically represent the situation, including using equations to reach a solution III. interpret and communicate findings in the context, exploring and justifying decisions		
■ Activities		
Fractions, decimals & percentages calculations	Fraction Word Problems	
¥ Skill Quests		
Work with real-world situations	Addition & subtraction word problems	
	Multiplication & division word problems	
	Order of operations practical situations	
Ebooks		
Year 6, Series G: Reading and Understanding Whole	Read and understand numbers	
Numbers	Types of numbers	
	Round and estimate	
Year 6, Series G: Addition and Subtraction	Applying strategies	
Year 6, Series G: Multiplication and Division	Puzzles and investigations	
Year 6, Series G: Fractions, Decimals and Percentages	Fractions	
	Decimal fractions	
	Fractions of an amount	
	Calculating	
Year 6 Rich Learning Task: Reasoning	The Gumball Heist	
	Pyramid prediction	

Measurement & geometry

Two-dimensional space and structures

6.MG.2D.1 Explore, visualise and describe translations, reflections or rotations of two-dimensional shapes.	
■ Activities	
2D - transformation, converting & area	Transformations: Coordinate Plane
	Rotations: Coordinate Plane
业 Skill Quests	
Transformation	Translating, reflecting & rotating 2D shapes
Ebooks	
Year 6, Series G: Geometry	Transformation, tessellation and symmetry

6.MG.2D.2 Convert between units of length, by connecting metric units to the decimal system and extend to units of mass and capacity.	
□ Activities	
2D - transformation, converting & area	Grams and Kilograms Conversion
	Grams and Kilograms
	Grams and Milligrams
	Converting Units of Mass
	Mass Word Problems
	Centimetres and Metres
	Metres and Kilometres
	Millilitres and Litres
★ Skill Quests ★ Continue of the property of the proper	
Connect decimals to the metric system	Decimal notation & the metric system
	Decimal representation in capacity
	Decimal representation in mass
Convert metric units of measurement	Converting metric units of length
	Converting metric units of capacity
	Converting metric units of mass
Ebooks	
Year 6, Series G: Length, Perimeter and Area	Units of length
Year 6, Series G: Volume, Capacity and Mass	Volume and capacity
	Mass

6.MG.2D.3 Describe and test a sequence of steps to determine the area of rectangles based on dimensions.	
■ Activities	
2D - transformation, converting & area	Area of Shapes
	Area: Squares and Rectangles
业 Skill Quests	
Determine the area of rectangles	Determining the area of rectangles
Ebooks	
Year 6, Series G: Length, Perimeter and Area	Area
Year 6 Rich Learning Task: Measurement	Wrapping a prism
	Predicting area

6.MG.2D.4

Investigate angles in a right angle, on a straight line, angles at a point and vertically opposite angles, to determine unknown angles and explain reasoning.

■ Activities	
2D - angles & Cartesian plane	Measuring Angles
	Estimating Angles
	Angle Sum of a Triangle
	Quadrilaterals: Angle Sum with Equations
	Exterior Angles of a Triangle
	Angles of Revolution: Unknown Values
	Vertically Opposite Angles: Unknown Values
¥ Skill Quests	
Understand angle properties	Understanding adjacent angles
	Exploring vertically opposite angles
	Calculating angles that total 360°
	Investigating supplementary & complementary angles
Ebooks	
Year 6, Series G: Angles	Line and angles

6.MG.2D.5

Explore the Cartesian plane as the intersection of two number lines at zero, using the coordinate system to locate points in all four quadrants.

four quadrants.	
■ Activities	
2D - angles & Cartesian plane	Ordered Pairs
	Number Plane
	Graphing from a Table of Values
	Reading Values from a Line
站 Skill Quests	
Cartesian plane	Locating points on the Cartesian plane
□ Ebooks	
Year 6, Series G: Position	Coordinates
Year 7, Series H: The Number Plane	How does it work?
	What else can you do?

Three-dimensional space and structures

6.MG.3D.1 Visualise, sketch and construct three-dimensional objects, including prisms and pyramids. E Activities Teacher directed ✓ Skill Quests Teacher directed ✓ Ebooks Year 6, Series G: Geometry 3D shapes

6.MG.3D.2

Describe and test a sequence of steps to determine the volume of rectangular prisms based on dimensions.

■ Activities	
3D space & structures	Volume of Solids and Prisms - 1cm³ blocks
	Volume: Rectangular Prisms 1
	Converting Volume
★ Skill Quests ** ** ** ** ** ** ** ** **	
Determine volume of rectangular prisms	Determining the volume of rectangular prisms
Ebooks	
Year 6, Series G: Volume, Capacity and Mass	Volume and capacity

Non-spatial measurement

6.MG.NSM.1 Use timetables and itineraries in 12- and 24-hour time systems to determine the duration of events and journeys.	
□ Activities	
Non-spatial measurement	Time Conversions: Simple Fractions
	Time Conversions: Simple Decimals
	Time Mentals
	Elapsed Time
	24 Hour Time
	Using Timetables
	Time Conversions: Simple Fractions
¥ Skill Quests	
Use timetables in 12- and 24-hour time	Using timetables in 12- and 24-hour time
Ebooks	
Year 6, Series G: Time	Telling time
	Calculating time
	Time applications

Modelling with measurement and geometry

6.MG.Modelling.1 In real-world situations involving transformation of two-dimensional shapes, rectangular prisms, pyramids, Cartesian plane, measuring and converting metric units for length, mass and capacity, determining volume and area in metric units or determining the duration of events and journeys I. analyse the situation and identify relevant information II. mathematically represent the situation to reach a solution III. interpret and communicate findings in the context, exploring and justifying decisions Activities 2D - transformation, converting & area Grams and Kilograms Conversion Converting Units of Mass Mass Word Problems 3D space & structures **Converting Volume** Non-spatial measurement **Elapsed Time Using Timetables Skill Quests** Teacher directed **Ebooks** Year 6, Series G: Geometry 2D shapes 3D shapes

Year 6, Series G: Position	Coordinates
	Maps and scale
Year 6, Series G: Length, Perimeter and Area	Units of length
	Area
Year 6, Series G: Volume, Capacity and Mass	Volume and capacity
	Mass
Year 6 Rich Learning Task: Measurement	Wrapping a prism
	Predicting area

Probability & statistics

Probability

6.PS.Probability.1 Order everyday chance events and phrases on a scale from 0 to 1, where 0 represents an event that is certain not to happen (impossible) and 1 represents an event that is certain to happen. Electropic Activities	
Probability	Simple Probability
	Probability Scale
	Complementary Events
	Dice and Coins
	Fair Games
™ Skill Quests	
Order everyday chance events	Probability as a fraction, decimal or percent
	Probabilities from 0 to 1
☐ Ebooks	
Year 6, Series G: Chance and Probability	Chance and probability

6.PS.Probability.2

Conduct repeated chance experiments and simulations with equally likely or unequally likely outcomes, including with the use of digital tools, for an increasing number of trials. Compare expected and observed frequencies in terms of variation as the number of trials increase.

Teacher directed Skill Quests Conduct chance experiments Conducting chance experiments Ebooks Year 6, Series G: Chance and Probability Chance and probability

Statistics

6.PS.Statistics.1 Describe and interpret a range of displays for real-life numerical data, including side-by-side column graphs, using mode, range and shape. Elim Activities Describe & interpret data Mode Mode from Stem and Leaf Plot Mode from Frequency Table Data Extremes and Range Stem and Leaf Plots with Range

	Double Stem and Leaf Plots
	Line Graphs: Interpretation
Describe & interpret data displays	Reading two-way tables
	Reading side-by-side column graphs
	Comparing & selecting bivariate data displays
	Describing & interpreting data sets
Compare mode, range & shape	Understanding mode, range & shape of distributions
	Comparing modes in sets of data
Ebooks	
Year 6, Series G: Data Representation	Types of graphs 1
	Types of graphs 2
	Types of graphs 3

6.PS.Statistics.2		
Describe how the features of real-life data displays may influence an audience.		
■ Activities		
Teacher directed		
★ Skill Quests		
Interpret & evaluate secondary data	Interpreting & evaluating secondary data	
Ebooks		
Year 6. Series G: Data Representation	Collecting and analysing data	

6.PS.Statistics.3

In a real-world context involving numerical data.

I. analyse the situation to pose a refined question

II. choose the most appropriate way to collect data to ensure accuracy and consistency, and make choices to represent data, including line graphs and side-by-side column graphs



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