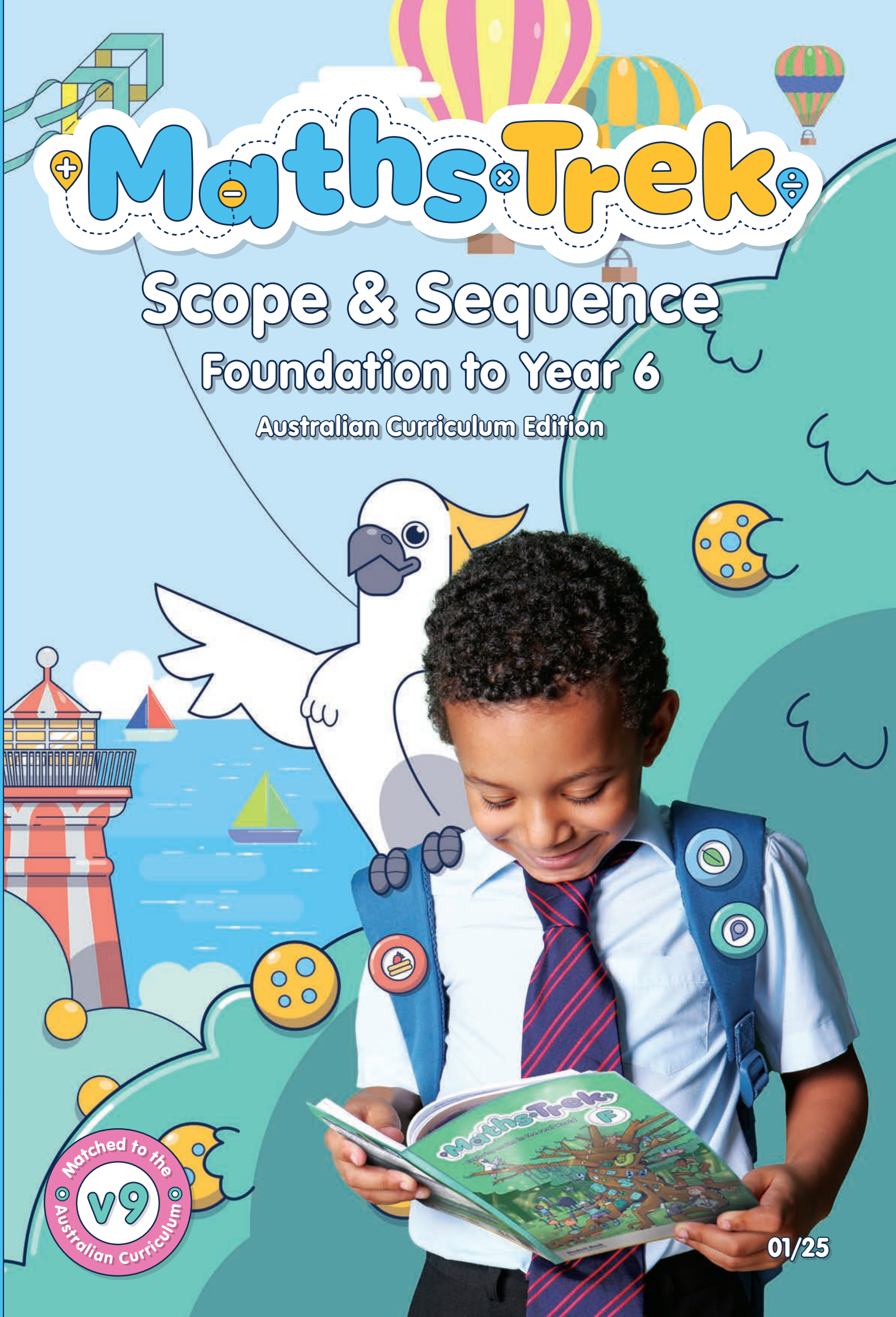
Maths Trek

Scope & Sequence

Foundation to Year 6

Australian Curriculum Edition



Matched to the Australian Curriculum v9

01/25

Contents

The Maths Trek Program 3

How To Use Maths Trek In Your Classroom 4

Maths Trek Yearly Plans (Australian Curriculum Edition)

Foundation 6

Year 1 8

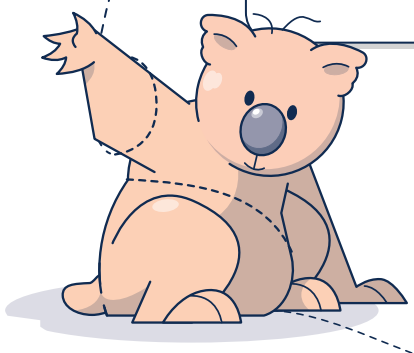
Year 2 10

Year 3 12

Year 4 14

Year 5 16

Year 6 18



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The Maths Trek Program

Maths Trek is a whole-school numeracy program for Foundation to Year 6 that develops mathematical understanding, fluency, reasoning and problem-solving skills.

The Student Book together with the explicit teaching resources at Maths Trek Online build, develop and strengthen each student's ability to work mathematically.

Use the comprehensive online teaching resources to explicitly teach each concept before students apply their learning in the Student Book.

Matched to the Australian Curriculum v9

In the Student Book* you will find ...

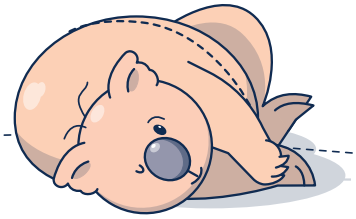
- shared *Work together* activities
- modelled examples
- independent activities to develop and master maths skills
- concepts revisited throughout the year
- scaffolded problems to learn key problem-solving strategies
- practice problems to build confidence in applying the strategies
- real-world investigations where students apply maths skills to unfamiliar, extended mathematical problems to strengthen connections between concepts
- regular revision to consolidate learning

At Maths Trek Online* you will find ...

- explicit teaching slides and lesson guides for every topic and problem-solving lesson
- engaging visuals and hands-on activities in lessons
- differentiation tasks
- interactive teaching tools
- place value videos
- investigation videos
- digital and printable resources to guide students through every investigation
- critical thinking lessons
- formative and summative assessments

Maths Trek Online includes the teaching resources for all year levels and complimentary access to the student site.

** Features differ in Foundation.*



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How To Use Maths Trek In Your Classroom

Maths Trek is a whole-school numeracy program that provides everything you and your students need to explore maths in real-world contexts.

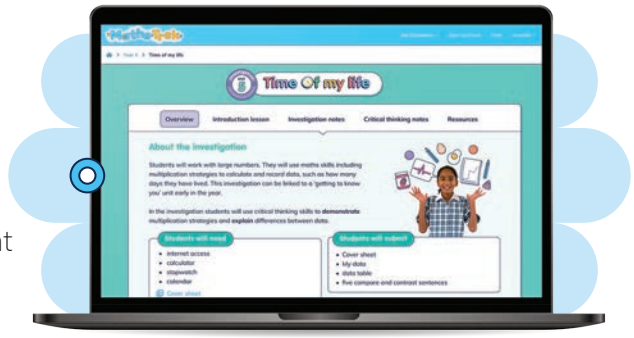
To maximise the benefits of the program, use the Student Book with the explicit teaching resources at Maths Trek Online to build, develop and strengthen each student's ability to work mathematically.

An adventure in maths for every student from Foundation to Year 6!

Maths Trek Online

Maths Trek Online* is home to lesson guides, teaching slides, interactive teaching tools, videos, printable differentiation tasks and termly assessments.

Teachers will also find investigation notes, Student Book answers, and preparation and planning documents at Maths Trek Online.



Maths Trek Student Book

The Student Book* is packed with modelled examples, as well as teacher-guided and independent activities for every topic and problem-solving strategy.

Students will also find plenty of practice problems, revision activities, application questions and investigation pages in the Student Book.

** Features differ in Foundation to reflect the learning needs of students.*

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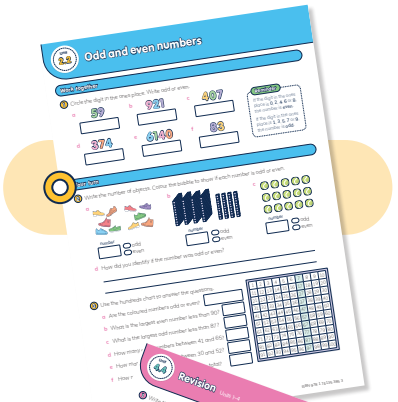
Using the Student Book with Online

Topics

Use the online lesson guides and teaching slides to explicitly teach each topic.

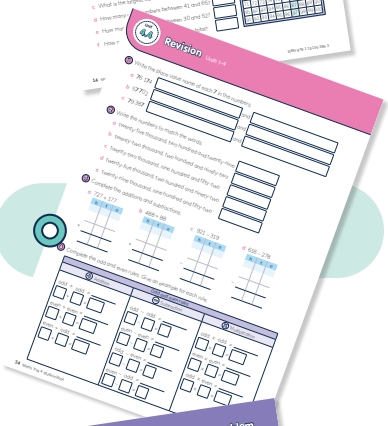
Discuss any modelled examples and complete the *Work together* activities with your students. Then students move on to the *Your turn* activities for independent practice.

The Student Book is an integral part of the consolidation process. Once you have explicitly taught each concept, it is essential that students apply what they have learned to the activities.



Revision

Use the revision activities throughout the Student Book to consolidate each student's learning and identify strengths and weaknesses.

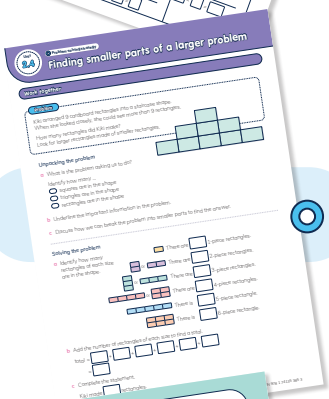


Problem-solving

Use the videos, teaching slides and modelled examples in the Student Book to teach each strategy.

Students consolidate their skills throughout the year by independently completing practice problems. These build confidence in choosing appropriate strategies to solve a variety of unfamiliar problems.

Download the *Problem-Solving Progress Checklist* to record each student's progress throughout the year.



Investigations

Investigations provide students with opportunities to apply maths concepts learned in previous weeks to unfamiliar, extended mathematical problems.

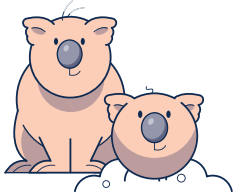
Use the online teaching notes, exemplars, videos and printable resources to introduce and guide students through each step of the investigation.

Use the online critical thinking lessons to ensure students can reflect, reason and communicate their understanding of what they have discovered.

Download and use the formative assessment checklist to record each student's progress.

Assessment

Download the summative assessments at Maths Trek Online to assess each student's understanding of the preceding topics. Each assessment includes graded questions and a marking guide.



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	Term 1	Term 2
Week 1	**Unit 1** 1.1 One 1.2 Two 1.3 Short and tall 1.4 Long/short, wide/narrow, thick/thin	**Unit 10** 10.1 Count to 10 10.2 Lines and shapes 10.3 Partition 6 and 7 10.4 Circles
Week 2	**Unit 2** 2.1 Three 2.2 Count to three 2.3 Short and long 2.4 Revision: Units 1–2	**Unit 11** 11.1 Use ten frames to represent numbers to 10 11.2 Triangles 11.3 Squares 11.4 Revision: Units 10–11
Week 3	**Unit 3** 3.1 In front of, behind, between, next to 3.2 Four 3.3 Five 3.4 Equal groups	**Unit 12** 12.1 One more than 12.2 Yesterday, today, tomorrow 12.3 Partition 8 and 9 12.4 Rectangles
Week 4	**Unit 4** 4.1 Count and match one-to-one 4.2 Make five 4.3 Six 4.4 Seven	**Unit 13** 13.1 One less than 13.2 Count backwards from 10 13.3 Partition 10 13.4 Sort shapes
Week 5	**Unit 5** 5.1 Ordinal numbers to 5th 5.2 Sort data 5.3 High and low, near and far 5.4 Revision: Units 3–5	**Unit 14** 14.1 Numbers before, after, in between 14.2 Name and sort shapes 14.3 Collect data 14.4 Revision: Units 12–14 Semester Test 1
Week 6	**Unit 6** Investigation: Oz-animal Olympics	**Unit 15** Investigation: Hopscotch
Week 7	**Unit 7** 7.1 Eight 7.2 Nine 7.3 Ten 7.4 Day and night	**Unit 16** 16.1 Combine two groups 16.2 Numbers 11 to 15 16.3 Count collections 16.4 Compare length
Week 8	**Unit 8** 8.1 Zero 8.2 Compare collections to 10 8.3 Represent numbers to 10 8.4 Days of the week: The Hungry Caterpillar	**Unit 17** 17.1 Combine two groups 17.2 Numbers 16 to 20 17.3 Count collections 17.4 Longer than, shorter than
Week 9	**Unit 9** 9.1 Dot patterns 9.2 Days of the week 9.3 Position 9.4 Revision: Units 7–9	**Unit 18** 18.1 Duration of events 18.2 Events in my day 18.3 Compare length 18.4 Revision: Units 16–18

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Term 3

Unit 19 19.1 Model addition
19.2 Represent numbers 11 to 15
19.3 Copy a pattern
19.4 Heavy and light

Unit 20 20.1 Addition: How many altogether?
20.2 Represent numbers 16 to 20
20.3 Compare mass by hefting
20.4 Revision: Units 19–20

Unit 21 21.1 Use beads to show addition
21.2 Make 10
21.3 Identify the next item in a pattern
21.4 Heavier, lighter, the same as

Unit 22 22.1 Addition stories
22.2 Compare collections to 20
22.3 Describe and continue patterns
22.4 Use ten frames to show addition

Unit 23 23.1 Model subtraction
23.2 Subtraction stories
23.3 Continue and create patterns
23.4 Revision: Units 21–23

Unit 24 Investigation: Zoo escape

Unit 25 25.1 Find the difference
25.2 Order numbers to 20
25.3 Identify missing elements in patterns
25.4 Full and empty

Unit 26 26.1 Collect data
26.2 Missing numbers to 20
26.3 Position
26.4 Holds more, holds less

Unit 27 27.1 Draw pictures to show subtraction
27.2 Data displays
27.3 Compare capacity
27.4 Revision: Units 25–27

Term 4

Unit 28 28.1 Count on 1 and 2
28.2 Count forwards and backwards
28.3 Ordinal numbers to 10th
28.4 Before and after

Unit 29 29.1 Take away
29.2 Count to 30
29.3 Add more to make 10
29.4 Revision: Units 28–29

Unit 30 30.1 Share equally
30.2 Use ten frames to represent numbers to 20
30.3 Take-away stories
30.4 Sequence events

Unit 31 31.1 Share equally
31.2 Missing numbers to 30
31.3 Collect data
31.4 Revision: Units 30–31
Semester Test 2

Unit 32 Investigation: Hungry billy goats

Unit 33 33.1 Add more to find the missing addend
33.2 Order numbers to 30
33.3 Money
33.4 Find the missing group

Unit 34 34.1 Make equal groups
34.2 Use tally marks to show data
34.3 Shopping
34.4 Compare two groups to find the difference

Unit 35 35.1 Addition and subtraction
35.2 Sort objects
35.3 Interpret data displays
35.4 Revision: Units 33–35

Week 1
Week 2
Week 3
Week 4
Week 5
Week 6
Week 7
Week 8
Week 9

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Term 1

Week 1	**Unit 1**	**1.1** Maths is everywhere **1.2** Counting in ones **1.3** Reading and writing numbers to 20
Week 2	**Unit 2**	**2.1** Counting in ones to 100 **2.2** Identifying Australian coins and notes **2.3** Skip counting by twos to 20 **2.4** PS strategy: Drawing a picture or diagram
Week 3	**Unit 3**	**3.1** Days, weeks, months, years **3.2** Representing two-digit numbers to 30 **3.3** Reading and writing two-digit numbers **3.4** PS strategy: Making a table or chart
Week 4	**Unit 4**	**4.1** Partitioning to 10 **4.2** Comparing mass – heavier, lighter **4.3** Comparing length – shorter, longer, taller **4.4** PS strategy: Finding a pattern
Week 5	**Unit 5**	**5.1** Addition to 10 – draw and write **5.2** Collecting data using tally marks **5.3** Measuring length using informal units **5.4** Revision: Units 1–5 **5.5** Assessment
Week 6	**Unit 6**	Investigation: Ramp champ
Week 7	**Unit 7**	**7.1** Addition number sentences **7.2** Skip counting by fives **7.3** Which shape is that? **7.4** Problem-solving practice
Week 8	**Unit 8**	**8.1** Addition using number lines **8.2** Skip counting by tens **8.3** Classifying shapes **8.4** Revision: Units 7–8

Term 2

	Unit 9	**9.1** Ordering numbers to 100 **9.2** Counting collections to 100 **9.3** Counting on 1 or 2 **9.4** PS strategy: Acting out the problem
	Unit 10	**10.1** Counting groups of 10 **10.2** Friends of 10 **10.3** Calendars and months **10.4** PS strategy: Guessing and checking
	Unit 11	**11.1** Representing two-digit numbers **11.2** Turnarounds **11.3** Describing position **11.4** PS strategy: Finding the useful information
	Unit 12	**12.1** Addition using think boards **12.2** Doubles and near doubles **12.3** Following directions **12.4** Revision: Units 9–12
	Unit 13	Investigation: Numbers up
	Unit 14	**14.1** Partitioning to 20 **14.2** Skip counting by twos to 100 **14.3** Object graphs **14.4** Assessment
	Unit 15	**15.1** Subtraction **15.2** Repeating patterns **15.3** How long does it take? **15.4** Problem-solving practice
	Unit 16	**16.1** Subtraction number sentences **16.2** Subtraction using think boards **16.3** Growing patterns **16.4** Revision: Units 14–16

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Term 3

Unit 17
17.1 Representing tens and ones
17.2 Counting back 1 or 2
17.3 One more, one less, ten more, ten less
17.4 PS strategy: Making an organised list

Unit 18
18.1 Writing tens and ones
18.2 Subtraction – find the difference
18.3 Addition using ten frames and number lines
18.4 PS strategy: Solving a simpler problem

Unit 19
19.1 Count and order numbers to 150
19.2 Think addition to subtract
19.3 Informal units to measure length
19.4 PS strategy: Working backwards

Unit 20
20.1 Addition and subtraction are related
20.2 Using ordinal and positional language
20.3 Describing number patterns
20.4 Revision: Units 17–20

Unit 21 Investigation: Let's roll

Unit 22
22.1 Addition facts
22.2 Keeping the pattern going
22.3 Collecting data
22.4 Assessment

Unit 23
23.1 Partitioning tens and ones
23.2 Subtraction facts
23.3 Counting collections to 150
23.4 Problem-solving practice

Unit 24
24.1 Writing number patterns and rules
24.2 Building objects with blocks
24.3 Picture graphs
24.4 Revision: Units 22–24

Term 4

Unit 25
25.1 Equal groups
25.2 Partitioning tens and ones
25.3 Addition – split and add
25.4 PS strategy: Finding smaller parts of a larger problem

Unit 26
26.1 Following and writing directions
26.2 Equal groups
26.3 Sharing equally
26.4 Problem-solving practice

Unit 27
27.1 Working with coins and notes
27.2 How many groups?
27.3 Sharing and grouping
27.4 Problem-solving practice

Unit 28
28.1 Triangles and quadrilaterals
28.2 Addition and subtraction money problems
28.3 Months and seasons
28.4 Revision: Units 25–28

Unit 29 Investigation: Breakfast cafe

Unit 30
30.1 Partitioning two-digit numbers
30.2 Comparing heights
30.3 Collecting data
30.4 Assessment

Unit 31
31.1 Addition to two digits using 100s charts
31.2 How much does it hold?
31.3 Subtraction to two digits using 100s charts

Extra investigations

Investigation: Plenty of popsticks

Investigation: Win or lose

Week 1
Week 2
Week 3
Week 4
Week 5
Week 6
Week 7
Week 8

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Term 1

Week 1	Unit 1	1.1	Maths is everywhere
		1.2	Tens and ones with blocks
		1.3	Read, write and represent numbers to 150
Week 2	Unit 2	2.1	Number patterns beyond 100
		2.2	Addition using ten frames
		2.3	Grouping to count collections
		2.4	PS strategy: Drawing a picture or diagram
Week 3	Unit 3	3.1	Months of the year
		3.2	Place value to hundreds
		3.3	Picture graphs
		3.4	PS strategy: Making an organised list
Week 4	Unit 4	4.1	Partitioning to 20
		4.2	Addition facts
		4.3	Collecting data using tally marks
		4.4	PS strategy: Finding a pattern
Week 5	Unit 5	5.1	Number lines to 500
		5.2	Addition using friendly jumps
		5.3	Calendars
		5.4	Revision: Units 1–5
		5.5	Assessment
Week 6	Unit 6		Investigation: All about birthdays
Week 7	Unit 7	7.1	Ordering numbers to 500
		7.2	Addition using friendly pairs
		7.3	Parallel lines
		7.4	Problem-solving practice
Week 8	Unit 8	8.1	Subtraction facts
		8.2	Subtraction using friendly jumps
		8.3	Classifying shapes
		8.4	Revision: Units 7–8

Term 2

Week 1	Unit 9	9.1	Read, write and represent numbers to 500
		9.2	Extending addition facts
		9.3	Identifying position
		9.4	PS strategy: Finding the useful information
Week 2	Unit 10	10.1	Ordering numbers to 1000
		10.2	Addition using split strategy
		10.3	Subtraction using split strategy
		10.4	PS strategy: Guessing and checking
Week 3	Unit 11	11.1	Place value to hundreds
		11.2	Addition with bar models
		11.3	Features of shapes
		11.4	PS strategy: Acting out the problem
Week 4	Unit 12	12.1	The role of a zero
		12.2	Measuring length
		12.3	Recognise and draw shapes
		12.4	Revision: Units 9–12
Week 5	Unit 13		Investigation: Marble ramp
Week 6	Unit 14	14.1	Number expanders
		14.2	Expanded notation
		14.3	Extending subtraction facts
		14.4	Assessment
Week 7	Unit 15	15.1	Subtraction with bar models
		15.2	Maps, pathways, directions
		15.3	Comparing mass
		15.4	Problem-solving practice
Week 8	Unit 16	16.1	Addition and subtraction facts are related
		16.2	Column graphs
		16.3	Measuring mass
		16.4	Revision: Units 14–16

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Term 3

Unit 17
17.1 Place value problems
17.2 Addition using jump strategy
17.3 Time – o'clock
17.4 PS strategy: Making a table or chart

Unit 18
18.1 Expanded notation
18.2 Do I have enough money?
18.3 Time – o'clock, half past
18.4 PS strategy: Solving a simpler problem

Unit 19
19.1 Subtraction using jump strategy
19.2 Coins and notes
19.3 Time – quarter past, half past
19.4 PS strategy: Working backwards

Unit 20
20.1 Multiplication
20.2 Number lines to 1000
20.3 Problem-solving with money
20.4 Revision: Units 17–20

Unit 21 Investigation: Showtime

Unit 22
22.1 Groups and arrays
22.2 Regrouping and renaming numbers
22.3 Time – quarter past, quarter to
22.4 Assessment

Unit 23
23.1 Place value to thousands
23.2 Multiplication facts for 2
23.3 Measuring length
23.4 Problem-solving practice

Unit 24
24.1 Numbers beyond 1000
24.2 Measuring capacity
24.3 Multiplication problem-solving
24.4 Revision: Units 22–24

Term 4

Unit 25
25.1 Addition and subtraction problems
25.2 Fractions
25.3 Connecting and describing patterns
25.4 PS strategy: Finding smaller parts of a larger problem

Unit 26
26.1 Division – How many in each group?
26.2 Fractions as part of a whole
26.3 Doubling and halving numbers
26.4 Problem-solving practice

Unit 27
27.1 Fractions as part of a group
27.2 Division – How many groups?
27.3 Number patterns
27.4 Problem-solving practice

Unit 28
28.1 Repeating and growing patterns
28.2 Odd and even number patterns
28.3 Multiplication and division facts are related
28.4 Revision: Units 25–28

Unit 29 Investigation: Paper chain patterns

Unit 30
30.1 Regrouping and renaming numbers
30.2 Multiplication and division problems
30.3 Representing halves, quarters, eighths
30.4 Assessment

Unit 31
31.1 Interpreting graphs
31.2 Reading calendars
31.3 Turns

Extra investigations
Investigation: Paint it
Investigation: Up, up and away

Week 1
Week 2
Week 3
Week 4
Week 5
Week 6
Week 7
Week 8

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Term 1

Week 1	**Unit 1**	**1.1** Maths is everywhere **1.2** Fact families for addition and subtraction **1.3** Regrouping numbers
Week 2	**Unit 2**	**2.1** Addition with partitioning **2.2** Subtraction with partitioning **2.3** Place value to thousands **2.4** PS strategy: Finding smaller parts of a larger problem
Week 3	**Unit 3**	**3.1** Expanded notation **3.2** Counting on and back by 1, 10, 100 **3.3** Comparing numbers to 10 000 **3.4** PS strategy: Making an organised list
Week 4	**Unit 4**	**4.1** Ordering numbers to 10 000 **4.2** Multiplication by 10 **4.3** Number sentences and word problems **4.4** Revision: Units 1–4
Week 5	**Unit 5**	Investigation: What's in a thousand words?
Week 6	**Unit 6**	**6.1** Collecting and organising data **6.2** Predicting possible outcomes **6.3** Predicting possible outcomes with spinners **6.4** PS strategy: Making a table or chart **6.5** Assessment
Week 7	**Unit 7**	**7.1** Time past the hour **7.2** Column graphs **7.3** Interpreting graphs **7.4** PS strategy: Guessing and checking
Week 8	**Unit 8**	**8.1** Measuring with metres **8.2** Measuring with centimetres **8.3** Measuring with metres and centimetres **8.4** Revision: Units 6–8
Week 9	**Unit 9**	Investigation: How do I measure up?

Term 2

	Unit 10	**10.1** Picture graphs **10.2** Place value to ten thousands **10.3** Addition with bar models **10.4** PS strategy: Solving a simpler problem
	Unit 11	**11.1** Subtraction with bar models **11.2** Comparing tables and graphs **11.3** Equivalent number sentences **11.4** PS strategy: Finding a pattern or using a rule
	Unit 12	**12.1** Measuring with kilograms **12.2** Measuring with grams **12.3** Measuring with kilograms and grams **12.4** Revision: Units 10–12
	Unit 13	Investigation: Kilogram quest
	Unit 14	**14.1** Addition **14.2** Subtraction **14.3** Solving problems with bar models **14.4** Assessment
	Unit 15	**15.1** Time to the hour **15.2** Measuring with litres **15.3** Measuring with millilitres **15.4** PS strategy: Working backwards
	Unit 16	**16.1** Number patterns **16.2** Multiples 2, 3, 4, 5, 10 **16.3** Multiples and repeated addition **16.4** PS strategy: Drawing a picture or diagram
	Unit 17	**17.1** Multiplication facts 3, 4 **17.2** Multiplication facts 5, 10 **17.3** Multiplication **17.4** Revision: Units 14–17
	Unit 18	Investigation: Picture perfect patterns

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Term 3

Unit 19 19.1 Place value beyond ten thousands
19.2 Addition to three digits
19.3 Time to and past the hour
19.4 PS strategy: Acting out the problem

Unit 20 20.1 Rounding to tens and hundreds
20.2 Subtraction to three digits
20.3 Multiplication problem-solving
20.4 Problem-solving practice

Unit 21 21.1 Equivalent values of money
21.2 Dollars and cents
21.3 Inverse operations
21.4 Revision: Units 19–21

Unit 22 Investigation: Big spender

Unit 23 23.1 Estimation strategies
23.2 Input and output
23.3 Time to the nearest minute
23.4 Assessment

Unit 24 24.1 Division facts 3, 4
24.2 Division facts 5, 10
24.3 Division problem-solving
24.4 Problem-solving practice

Unit 25 25.1 Division
25.2 Angles
25.3 Connecting cubes
25.4 Problem-solving practice

Unit 26 26.1 Face, edge, vertex
26.2 Pyramids and prisms
26.3 Cylinders, cones, spheres
26.4 Revision: Units 23–26

Unit 27 Investigation: Cube conundrum

Term 4

Unit 28 28.1 Japanese numeral system
28.2 Addition and subtraction
28.3 Column graphs
28.4 Problem-solving practice

Unit 29 29.1 Seconds, minutes, hours, days
29.2 Duration of time
29.3 Fractions as part of a whole
29.4 Problem-solving practice

Unit 30 30.1 Fractions as part of a group
30.2 Fractions on a number line
30.3 Fractions as division
30.4 Revision: Units 28–30

Unit 31 Investigation: Fraction action

Unit 32 32.1 Comparing and ordering numbers to 10 000
32.2 Right angles
32.3 Maps and plans
32.4 Assessment

Unit 33 Investigation: Kakadu crossing

Unit 34 Maths puzzles and games

Extra investigations

Investigation: It's on the cards
Investigation: Trash or treasure
Investigation: Top team
Investigation: Sprouting surprises

Week 1
Week 2
Week 3
Week 4
Week 5
Week 6
Week 7
Week 8
Week 9

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Term 1

Week 1	Unit 1	1.1	Maths is everywhere
		1.2	Place value to hundred thousands
		1.3	Addition
Week 2	Unit 2	2.1	Subtraction
		2.2	Odd and even numbers
		2.3	Properties of odd and even numbers
		2.4	PS strategy: Finding smaller parts of a larger problem
Week 3	Unit 3	3.1	Place value and expanded notation
		3.2	Multiplication facts 2, 3, 5, 10
		3.3	Multiplication facts 4, 6, 8, 9
		3.4	PS strategy: Making an organised list
Week 4	Unit 4	4.1	Multiples using algorithms
		4.2	Collecting and organising data
		4.3	Multiplication using the area model
		4.4	Revision: Units 1–4
Week 5	Unit 5		Investigation: Time of my life
Week 6	Unit 6	6.1	Solving problems with bar models
		6.2	Calculating with money
		6.3	Budgets
		6.4	PS strategy: Drawing a picture or diagram
		6.5	Assessment
Week 7	Unit 7	7.1	Reading graduated scales
		7.2	Measuring with litres and millilitres
		7.3	Converting litres and millilitres
		7.4	PS strategy: Working backwards
Week 8	Unit 8	8.1	Measuring with kilograms and grams
		8.2	Rounding to ten thousands
		8.3	Multiplication using the area model
		8.4	Revision: Units 6–8
Week 9	Unit 9		Investigation: Plenty of pikelets

Term 2

	Unit 10	10.1	Factors
		10.2	Line symmetry
		10.3	Symmetrical patterns
		10.4	PS strategy: Making a table or chart
	Unit 11	11.1	Place value to tenths
		11.2	Tenths on a number line
		11.3	Measuring perimeter
		11.4	PS strategy: Acting out the problem
	Unit 12	12.1	Calculating perimeter
		12.2	Area
		12.3	Area of irregular shapes
		12.4	Revision: Units 10–12
	Unit 13		Investigation: It's only natural
	Unit 14	14.1	Describing possible outcomes
		14.2	Dependent and independent events
		14.3	Combining objects
		14.4	Assessment
	Unit 15	15.1	Equivalent number sentences
		15.2	Addition
		15.3	Subtraction
		15.4	PS strategy: Guessing and checking
	Unit 16	16.1	Picture graphs
		16.2	Multiplying and dividing by 10, 100, 1000
		16.3	Rounding using a target digit strategy
		16.4	PS strategy: Solving a simpler problem
	Unit 17	17.1	Estimation strategies
		17.2	Grid references
		17.3	Maps, pathways and directions
		17.4	Revision: Units 14–17
	Unit 18		Investigation: Heritage hunt

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Term 3

Unit 19 19.1 Addition
19.2 Subtraction
19.3 Column graphs
19.4 PS strategy: Finding a pattern or using a rule

Unit 20 20.1 Picture graphs
20.2 Comparing graphs
20.3 Fractions on a number line
20.4 Problem-solving practice

Unit 21 21.1 Equivalent fractions
21.2 Angles
21.3 Tessellation
21.4 Revision: Units 19–21

Unit 22 Investigation: Ripper rides

Unit 23 23.1 Turnarounds and friendly pairs
23.2 Algorithms
23.3 Fractions as division
23.4 Assessment

Unit 24 24.1 Predicting possible outcomes
24.2 Place value to hundredths
24.3 Hundredths on a number line
24.4 Problem-solving practice

Unit 25 25.1 Division facts 2, 3, 5, 10
25.2 Division facts 4, 6, 8, 9
25.3 Division
25.4 Problem-solving practice

Unit 26 26.1 Place value and expanded notation
26.2 Multiplication
26.3 Inverse operations
26.4 Revision: Units 23–26

Unit 27 Investigation: Super sports stadium

Term 4

Unit 28 28.1 Addition and subtraction
28.2 Division
28.3 Mixed numerals
28.4 Problem-solving practice

Unit 29 29.1 Mixed numerals and improper fractions
29.2 Measuring with millimetres
29.3 Millimetres, centimetres and metres
29.4 Problem-solving practice

Unit 30 30.1 Quadrilaterals
30.2 Combining shapes
30.3 Converting units of time
30.4 Revision: Units 28–30

Unit 31 Investigation: Double trouble

Unit 32 32.1 Time (am and pm)
32.2 Reading and interpreting timetables
32.3 Time to the nearest minute
32.4 Assessment

Unit 33 Investigation: Movie marathon

Unit 34 Maths puzzles and games

Extra investigations

Investigation: Lengthy leaps
Investigation: Fraction fun
Investigation: Puzzling perimeters
Investigation: Angle art

Week 1
Week 2
Week 3
Week 4
Week 5
Week 6
Week 7
Week 8
Week 9

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Term 1

Week 1	Unit 1	1.1	Maths is everywhere
		1.2	Place value to millions
		1.3	Fact families for multiplication and division
Week 2	Unit 2	2.1	Addition
		2.2	Subtraction
		2.3	Rounding to ten thousands
		2.4	PS strategy: Guessing and checking
Week 3	Unit 3	3.1	Estimation strategies
		3.2	24-hour time
		3.3	Reading timetables
		3.4	PS strategy: Acting out the problem
Week 4	Unit 4	4.1	Australian time zones
		4.2	Directional language
		4.3	Coordinates and directions
		4.4	Revision: Units 1–4
Week 5	Unit 5		Investigation: Race around Australia
Week 6	Unit 6	6.1	Line graphs
		6.2	Categorical and numerical data
		6.3	Multiplication using the area model
		6.4	PS strategy: Making a table or chart
		6.5	Assessment
Week 7	Unit 7	7.1	Multiplication using split and multiply
		7.2	Place value to thousandths
		7.3	Percentages
		7.4	PS strategy: Drawing a picture or diagram
Week 8	Unit 8	8.1	Measuring mass
		8.2	Dot plots
		8.3	Column graphs
		8.4	Revision: Units 6–8
Week 9	Unit 9		Investigation: Breakfast club

Term 2

Week 1	Unit 10	10.1	Place value beyond millions
		10.2	Multiplication – 3 digits × 1 digit
		10.3	Calculating perimeter
		10.4	PS strategy: Making an organised list
Week 2	Unit 11	11.1	Area
		11.2	Perimeter of rectangles
		11.3	Area of rectangles
		11.4	PS strategy: Solving a simpler problem
Week 3	Unit 12	12.1	Rotational symmetry
		12.2	Directions, turns, degrees
		12.3	Translation, reflection, rotation
		12.4	Revision: Units 10–12
Week 4	Unit 13		Investigation: Radical renovation
Week 5	Unit 14	14.1	Measuring with kilometres
		14.2	Addition
		14.3	Turnarounds and friendly pairs
		14.4	Assessment
Week 6	Unit 15	15.1	Subtraction with zeros
		15.2	Inverse operations
		15.3	Division
		15.4	PS strategy: Finding a pattern or using a rule
Week 7	Unit 16	16.1	Multiples
		16.2	Multiples using algorithms
		16.3	Division
		16.4	PS strategy: Working backwards
Week 8	Unit 17	17.1	Factors
		17.2	Equivalent number sentences
		17.3	Division with remainders
		17.4	Revision: Units 14–17
Week 9	Unit 18		Investigation: Factor frenzy

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Term 3

Unit 19
- 19.1 Coordinates to locate position
- 19.2 Budgets
- 19.3 Comparing and ordering fractions
- 19.4 PS strategy: Finding smaller parts of a larger problem

Unit 20
- 20.1 Adding and subtracting fractions
- 20.2 Equivalent fractions
- 20.3 Adding and subtracting fractions
- 20.4 Problem-solving practice

Unit 21
- 21.1 Mixed numerals and improper fractions
- 21.2 Comparing decimals
- 21.3 Percentages
- 21.4 Revision: Units 19–21

Unit 22 Investigation: Dynamic dominoes

Unit 23
- 23.1 Classifying angles
- 23.2 Measuring angles 0° to 180°
- 23.3 Divisibility rules
- 23.4 Assessment

Unit 24
- 24.1 Division with remainders
- 24.2 Multiplication – 4 digits × 1 digit
- 24.3 Multiplication by tens and hundreds
- 24.4 Problem-solving practice

Unit 25
- 25.1 Multiplication using the area model
- 25.2 Multiplication – 3 digits × 2 digits
- 25.3 Choosing units of measurement
- 25.4 Problem-solving practice

Unit 26
- 26.1 Measuring with litres and millilitres
- 26.2 Ordinal data
- 26.3 The mode
- 26.4 Revision: Units 23–26

Unit 27 Investigation: Down the drain

Term 4

Unit 28
- 28.1 Place value and expanded notation
- 28.2 Rounding using a target digit strategy
- 28.3 Estimation strategies
- 28.4 Problem-solving practice

Unit 29
- 29.1 Division with remainders as fractions
- 29.2 Division with remainders to tenths
- 29.3 Division with remainders to hundredths
- 29.4 Problem-solving practice

Unit 30
- 30.1 Measures of probability
- 30.2 Comparing probability
- 30.3 Fair and unfair outcomes
- 30.4 Revision: Units 28–30

Unit 31 Investigation: Score a duck

Unit 32
- 32.1 Budgets
- 32.2 Nets of objects
- 32.3 Measuring angles 0° to 360°
- 32.4 Assessment

Unit 33 Investigation: Baffling blocks

Unit 34 Maths puzzles and games

Extra investigations

Investigation: Twinkle twinkle

Investigation: If I were a Martian

Investigation: Never a cross word

Investigation: Finals fever

Week 1
Week 2
Week 3
Week 4
Week 5
Week 6
Week 7
Week 8
Week 9

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	Term 1	Term 2
Week 1	**Unit 1** 1.1 Maths is everywhere 1.2 Positive and negative numbers 1.3 Comparing and ordering fractions	**Unit 10** 10.1 Reading timetables 10.2 Categorical and numerical data 10.3 Ordinal and nominal data 10.4 PS strategy: Making an organised list
Week 2	**Unit 2** 2.1 Fractions as division 2.2 Square numbers 2.3 Prime and composite numbers 2.4 PS strategy: Working backwards	**Unit 11** 11.1 Side-by-side column graphs 11.2 Line graphs 11.3 Stacked line graphs 11.4 PS strategy: Guessing and checking
Week 3	**Unit 3** 3.1 Factor trees 3.2 Multiplication 3.3 Division 3.4 PS strategy: Drawing a picture or diagram	**Unit 12** 12.1 Bar charts 12.2 Mode and range 12.3 Comparing graphs 12.4 Revision: Units 10–12
Week 4	**Unit 4** 4.1 Investigating patterns 4.2 Patterns in a table of values 4.3 Inverse operations to check calculations 4.4 Revision: Units 1–4	**Unit 13** Investigation: Unique you
Week 5	**Unit 5** Investigation: Lilja's locked level	**Unit 14** 14.1 Function machines 14.2 Order of operations 14.3 Balancing equations 14.4 Assessment
Week 6	**Unit 6** 6.1 Properties of angles 6.2 Renaming fractions as percentages 6.3 Multi-step problems – add and subtract 6.4 PS strategy: Making a table or chart 6.5 Assessment	**Unit 15** 15.1 Equivalent fractions 15.2 Adding and subtracting fractions 15.3 Rounding decimals 15.4 PS strategy: Solving a simpler problem
Week 7	**Unit 7** 7.1 Estimation strategies 7.2 Metric system of measurement 7.3 Perimeter of rectangles 7.4 PS strategy: Finding a pattern or using a rule	**Unit 16** 16.1 Decimal addition to tenths 16.2 Decimal subtraction to tenths 16.3 Decimal addition to hundredths 16.4 PS strategy: Finding smaller parts of a larger problem
Week 8	**Unit 8** 8.1 Area of rectangles 8.2 Area of composite rectangles 8.3 Area and perimeter 8.4 Revision: Units 6–8	**Unit 17** 17.1 Decimal subtraction to hundredths 17.2 Misleading data and graphs 17.3 Causes of bias 17.4 Revision: Units 14–17
Week 9	**Unit 9** Investigation: Happy hippos	**Unit 18** Investigation: Record breaker

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Term 3

Unit 19 19.1 Coordinates in one quadrant
19.2 Decimal multiplication
19.3 Decimal division
19.4 PS strategy: Acting out the problem

Unit 20 20.1 Renaming fractions as percentages
20.2 Discount
20.3 Multi-step problems
20.4 Problem-solving practice

Unit 21 21.1 Budgets
21.2 Reading and interpreting timetables
21.3 Calculating duration
21.4 Revision: Units 19–21

Unit 22 Investigation: Fantasy flight

Unit 23 23.1 Cross-sections
23.2 Measuring with tonnes and kilograms
23.3 Inverse operations to solve problems
23.4 Assessment

Unit 24 24.1 Adding and subtracting fractions
24.2 Properties of shapes
24.3 Tessellations
24.4 Problem-solving practice

Unit 25 25.1 Decimal addition to thousandths
25.2 Decimal subtraction to thousandths
25.3 Multiply decimals by 10, 100, 1000
25.4 Problem-solving practice

Unit 26 26.1 Decimal multiplication
26.2 Decimal division
26.3 Decimal multiplication and division
26.4 Revision: Units 23–26

Unit 27 Investigation: Is petrol pricey?

Term 4

Unit 28 28.1 Decimals with the four operations
28.2 Patterns and rules
28.3 Percentages
28.4 Problem-solving practice

Unit 29 29.1 Comparing probability
29.2 Expected probability
29.3 Observed probability
29.4 Problem-solving practice

Unit 30 30.1 Repeated probability experiments
30.2 Discrete and continuous data
30.3 Transformations
30.4 Revision: Units 28–30

Unit 31 Investigation: Practice makes perfect

Unit 32 32.1 Positive and negative numbers
32.2 Coordinates in four quadrants
32.3 Transformations with coordinates
32.4 Assessment

Unit 33 Investigation: Curious coordinates

Unit 34 Maths puzzles and games

Extra investigations

Investigation: Clever containers
Investigation: Educational entrepreneur
Investigation: Octi-origami
Investigation: Weird or wonderful weather

Week 1
Week 2
Week 3
Week 4
Week 5
Week 6
Week 7
Week 8
Week 9

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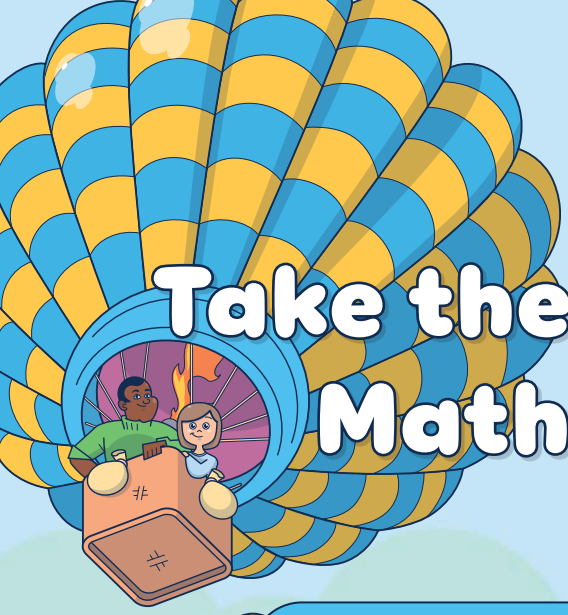

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