



Maths Trek

Scope & Sequence Kindergarten to Year 6

NSW Syllabus Edition



Availability information

Kindergarten–Year 2 will be ready for use in classrooms in 2025.

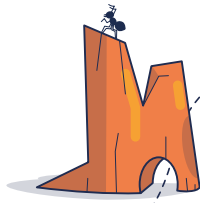
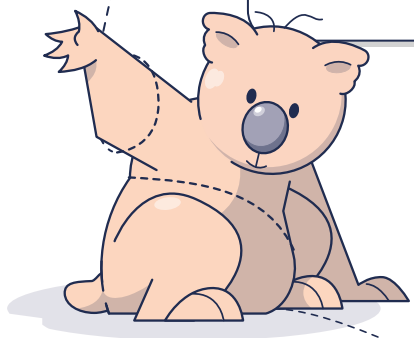
Years 3–6 will be ready for use in classrooms in 2026.

In the meantime, schools can use the Australian Curriculum Edition.



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The Maths Trek Program

- Maths Trek is a whole-school numeracy program for Kindergarten 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.



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

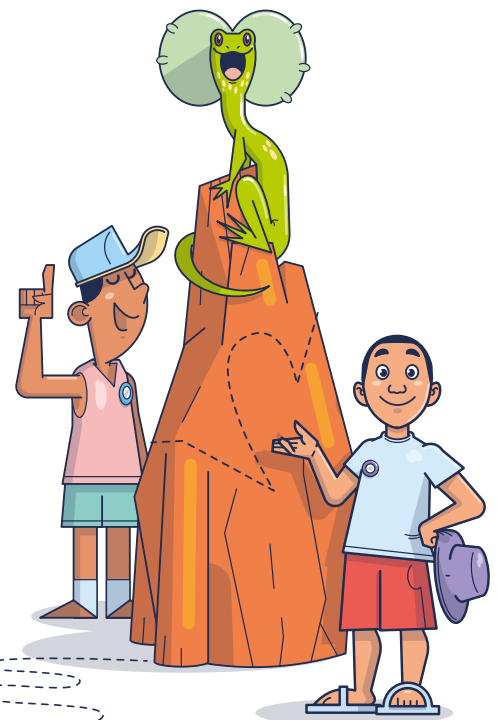


At Maths Trek Online* you will find ...

- 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 Kindergarten.



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.

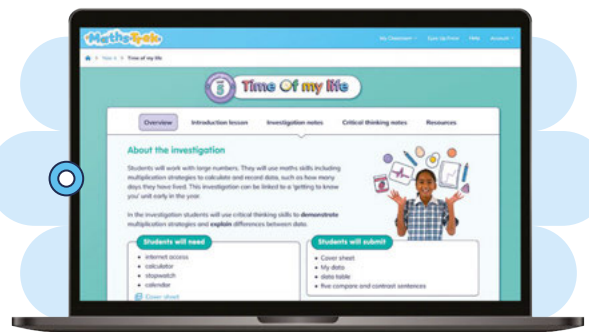
To maximise the benefits of the program, use the Student Book with the explicit teaching resources at Maths Trek Online to build, develop and strengthen each student's ability to work mathematically.

An adventure in maths for every student from Kindergarten 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 Kindergarten to reflect the learning needs of students.



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.

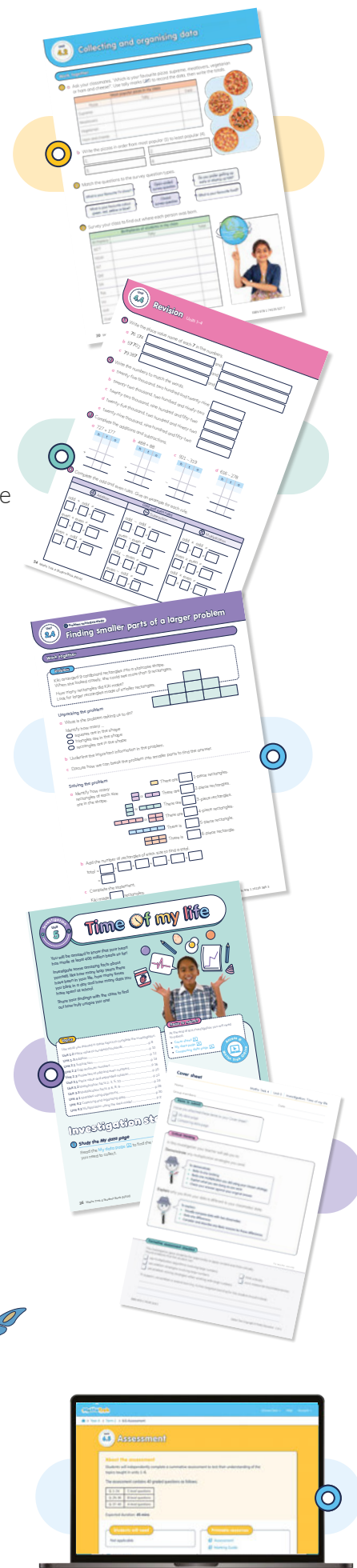
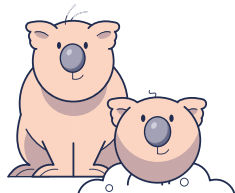
Use the online teaching notes, exemplars, videos and printable resources to introduce and guide students through each step of the investigation.

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.



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

Week 2

- Unit 2**
- 2.1** Three
 - 2.2** Count to three
 - 2.3** Short and long
 - 2.4** Revision: Units 1–2

Week 3

- Unit 3**
- 3.1** In front of, behind, between, next to
 - 3.2** Four
 - 3.3** Five
 - 3.4** Equal groups

Week 4

- Unit 4**
- 4.1** Count and match one-to-one
 - 4.2** O'clock
 - 4.3** Six
 - 4.4** Seven

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

Week 6

Unit 6 Investigation: Oz-animal Olympics

Week 7

- Unit 7**
- 7.1** Eight
 - 7.2** Nine
 - 7.3** Ten
 - 7.4** Events in my day

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

Week 9

- Unit 9**
- 9.1** Dot patterns
 - 9.2** Area
 - 9.3** Position
 - 9.4** Revision: Units 7–9

- Unit 10**
- 10.1** Count to 10
 - 10.2** Lines and shapes
 - 10.3** Partition 6 and 7
 - 10.4** Circles

- Unit 11**
- 11.1** Use ten frames to represent numbers to 10
 - 11.2** Triangles
 - 11.3** Squares
 - 11.4** Revision: Units 10–11

- Unit 12**
- 12.1** One more than
 - 12.2** Yesterday, today, tomorrow
 - 12.3** Partition 8 and 9
 - 12.4** Rectangles

- Unit 13**
- 13.1** One less than
 - 13.2** Count backwards from 10
 - 13.3** Partition 10
 - 13.4** Sort shapes

- Unit 14**
- 14.1** Numbers before, after, in between
 - 14.2** Name and sort shapes
 - 14.3** Ask questions to collect data
 - 14.4** Revision: Units 12–14
- Semester Test 1**

Unit 15 Investigation: Hopscotch

- Unit 16**
- 16.1** Combine two groups
 - 16.2** Numbers 11 to 15
 - 16.3** Count collections
 - 16.4** Compare length

- Unit 17**
- 17.1** Combine two groups
 - 17.2** Numbers 16 to 20
 - 17.3** Count collections
 - 17.4** Longer than, shorter than

- Unit 18**
- 18.1** Duration of events
 - 18.2** Sort and describe 3D objects
 - 18.3** Half a length
 - 18.4** Revision: Units 16–18

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 3D models
25.4 Full and empty
- Unit 26** **26.1** Collect data
26.2 Predict movement of 3D objects
26.3 Left and right
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 Compare volume
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 1
- Unit 32** Investigation: Hungry billy goats
- Unit 33** **33.1** Analog and digital time
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 Compare area
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

Term 1

Term 2

Week 1

- Unit 1**
- 1.1** Maths is everywhere
 - 1.2** Counting in ones
 - 1.3** Reading and writing numbers to 20

- 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

Week 2

- Unit 2**
- 2.1** Counting in ones to 100
 - 2.2** Odd and even number patterns
 - 2.3** Skip counting by twos to 20
 - 2.4** PS strategy: Drawing a picture or diagram

- 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

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

- Unit 11**
- 11.1** Representing two-digit numbers
 - 11.2** Turnarounds
 - 11.3** Describing position
 - 11.4** PS strategy: Finding the useful information

Week 4

- Unit 4**
- 4.1** Partitioning to 10
 - 4.2** Comparing mass – heavier, lighter
 - 4.3** Time – o'clock, half past
 - 4.4** PS strategy: Finding a pattern

- Unit 12**
- 12.1** Addition using think boards
 - 12.2** Doubles and near doubles
 - 12.3** Following directions
 - 12.4** Revision: Units 9–12

Week 5

- Unit 5**
- 5.1** Possible outcomes
 - 5.2** Collecting data using tally marks
 - 5.3** Measuring length using informal units
 - 5.4** Revision: Units 1–5
 - 5.5** Assessment

Unit 13 Investigation: Numbers up

Week 6

Unit 6 Investigation: Ramp champ

- Unit 14**
- 14.1** Partitioning to 20
 - 14.2** Skip counting by twos to 100
 - 14.3** Object graphs
 - 14.4** Assessment

Week 7

- Unit 7**
- 7.1** Addition number sentences
 - 7.2** Skip counting by fives
 - 7.3** Which 2D shape is that?
 - 7.4** Problem-solving practice

- Unit 15**
- 15.1** Subtraction
 - 15.2** Repeating shape patterns
 - 15.3** Identify 3D objects
 - 15.4** Problem-solving practice

Week 8

- Unit 8**
- 8.1** Addition using number lines
 - 8.2** Skip counting by tens
 - 8.3** Classifying 2D shapes
 - 8.4** Revision: Units 7–8

- Unit 16**
- 16.1** Subtraction number sentences
 - 16.2** Subtraction using think boards
 - 16.3** Sort and describe 3D objects
 - 16.4** Revision: Units 14–16

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 Measure volume by packing
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 Measuring capacity
23.4 Problem-solving practice

Unit 24 **24.1** Equivalent number sentences
24.2 Building prisms with cubes
24.3 Picture graphs
24.4 Revision: Units 22–24

Term 4

Unit 25 **25.1** Equal groups
25.2 Halves and quarters of a length
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** Bridging to tens
27.2 How many groups?
27.3 Sharing and grouping
27.4 Problem-solving practice

Unit 28 **28.1** Working with coins and notes
28.2 Addition and subtraction money problems
28.3 Triangles and quadrilaterals
28.4 Revision: Units 25–28

Unit 29 Investigation: Breakfast cafe

Unit 30 **30.1** Regrouping two-digit numbers
30.2 Compare area
30.3 Collecting data
30.4 Assessment

Unit 31 **31.1** Measure area
31.2 Months and seasons
31.3 Reflect, slide, turn

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

Term 1

Term 2

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

- Unit 9**
- 9.1** Read, write and represent numbers to 500
 - 9.2** Extending addition facts
 - 9.3** Simple maps
 - 9.4** PS strategy: Finding the useful information

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

- Unit 10**
- 10.1** Ordering numbers to 1000
 - 10.2** Addition using split strategy
 - 10.3** Addition and subtraction facts are related
 - 10.4** PS strategy: Guessing and checking

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

- Unit 11**
- 11.1** Place value to hundreds
 - 11.2** Addition with bar models
 - 11.3** Features of 2D shapes
 - 11.4** PS strategy: Acting out the problem

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

- Unit 12**
- 12.1** The role of a zero
 - 12.2** Measuring length
 - 12.3** Classifying 3D objects
 - 12.4** Revision: Units 9–12

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

Unit 13 Investigation: Marble ramp

Week 6

Unit 6 Investigation: All about birthdays

- Unit 14**
- 14.1** Number expanders
 - 14.2** Expanded notation
 - 14.3** Extending subtraction facts
 - 14.4** Assessment

Week 7

- Unit 7**
- 7.1** Ordering numbers to 500
 - 7.2** Addition using friendly pairs
 - 7.3** Measuring area
 - 7.4** Problem-solving practice

- Unit 15**
- 15.1** Subtraction with bar models
 - 15.2** Maps, pathways, directions
 - 15.3** Measuring and comparing mass
 - 15.4** Problem-solving practice

Week 8

- Unit 8**
- 8.1** Subtraction facts
 - 8.2** Subtraction using friendly jumps
 - 8.3** Classifying 2D shapes
 - 8.4** Revision: Units 7–8

- Unit 16**
- 16.1** Addition using jump strategy
 - 16.2** Faces, edges, vertices
 - 16.3** Measuring and comparing mass
 - 16.4** Revision: Units 14–16

Term 3

- Unit 17** **17.1** Place value problems
17.2 Subtraction using jump strategy
17.3 3D objects and their faces
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** Inverse strategy of subtraction
19.2 Coins and notes
19.3 Time – quarter past, half past
19.4 PS strategy: Working backwards

- Unit 20** **20.1** Multiplication as repeated addition
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 999
23.2 Packing and stacking
23.3 Measuring length
23.4 Problem-solving practice

- Unit 24** **24.1** Chance – How likely?
24.2 Measuring capacity
24.3 Addition and subtraction with bar models
24.4 Revision: Units 22–24

Term 4

- Unit 25** **25.1** Solve problems using number bonds
25.2 Multiplication using arrays
25.3 Measuring with metres
25.4 PS strategy: Finding smaller parts of a larger problem

- Unit 26** **26.1** Addition and subtraction problems
26.2 Division – How many in each group?
26.3 Measuring with centimetres
26.4 Problem-solving practice

- Unit 27** **27.1** Fractions as part of a group
27.2 Doubling and halving
27.3 Division – How many groups?
27.4 Problem-solving practice

- Unit 28** **28.1** Hours, minutes, seconds
28.2 Measuring and comparing area of rectangles
28.3 Certain, possible, impossible
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

Term 1

Term 2

Week 1

- Unit 1**
- 1.1** Maths is everywhere
 - 1.2** Fact families for addition and subtraction
 - 1.3** Regrouping numbers

- Unit 10**
- 10.1** Dot plots
 - 10.2** Turnarounds and friendly pairs
 - 10.3** Number sentences and word problems
 - 10.4** PS strategy: Solving a simpler problem

Week 2

- Unit 2**
- 2.1** Addition strategies
 - 2.2** Subtraction strategies
 - 2.3** Place value to thousands
 - 2.4** PS strategy: Finding smaller parts of a larger problem

- Unit 11**
- 11.1** Solving problems with bar models
 - 11.2** Comparing graphs
 - 11.3** Equivalent number sentences
 - 11.4** PS strategy: Finding a pattern or using a rule

Week 3

- Unit 3**
- 3.1** Expanded notation
 - 3.2** Counting on and back by 1, 10, 100
 - 3.3** Comparing numbers
 - 3.4** PS strategy: Making an organised list

- Unit 12**
- 12.1** Measuring with kilograms
 - 12.2** Area with square metres
 - 12.3** Area with square centimetres
 - 12.4** Revision: Units 10–12

Week 4

- Unit 4**
- 4.1** Odd and even numbers
 - 4.2** Addition with partitioning
 - 4.3** Subtraction with partitioning
 - 4.4** Revision: Units 1–4

Unit 13 Investigation: Kilogram quest

Week 5

Unit 5 Investigation: What's in a thousand words?

- Unit 14**
- 14.1** Addition with bar models
 - 14.2** Subtraction with bar models
 - 14.3** Ordering numbers
 - 14.4** Assessment

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

- Unit 15**
- 15.1** Time to the hour
 - 15.2** Measuring with litres
 - 15.3** Comparing and ordering numbers
 - 15.4** PS strategy: Working backwards

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

- Unit 16**
- 16.1** Number patterns
 - 16.2** Multiples 2, 4, 5, 10
 - 16.3** Multiples and repeated addition
 - 16.4** PS strategy: Drawing a picture or diagram

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

- Unit 17**
- 17.1** Multiplication facts 2, 4
 - 17.2** Multiplication facts 5, 10
 - 17.3** Square numbers
 - 17.4** Revision: Units 14–17

Week 9

Unit 9 Investigation: How do I measure up?

Unit 18 Investigation: Picture perfect patterns

Term 3

- Unit 19** **19.1** Line symmetry
19.2 Addition with place value
19.3 Subtraction with place value
19.4 PS strategy: Acting out the problem

- Unit 20** **20.1** Rounding to tens and hundreds
20.2 Quadrilaterals
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 Measuring with millimetres
23.3 Time to the nearest minute
23.4 Assessment

- Unit 24** **24.1** Division facts 2, 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** Pyramids and prisms
26.2 Nets of objects
26.3 Possible combinations
26.4 Revision: Units 23–26

Unit 27 Investigation: Cube conundrum

Term 4

- Unit 28** **28.1** Fact families for multiplication and division
28.2 Addition and subtraction
28.3 Column graphs
28.4 Problem-solving practice

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

- Unit 30** **30.1** Fractions on a number line
30.2 Tessellation
30.3 Right angles
30.4 Revision: Units 28–30

Unit 31 Investigation: Fraction action

- Unit 32** **32.1** Maps and plans
32.2 Grid references
32.3 Maps and directions
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

Term 1

Term 2

Week 1

- Unit 1**
- 1.1** Maths is everywhere
 - 1.2** Place value to ten thousands
 - 1.3** Addition

- Unit 10**
- 10.1** Factors
 - 10.2** Places value and expanded notation
 - 10.3** Symmetrical patterns
 - 10.4** PS strategy: Making a table or chart

Week 2

- Unit 2**
- 2.1** Subtraction
 - 2.2** Multiples
 - 2.3** Multiplication by 10
 - 2.4** PS strategy: Finding smaller parts of a larger problem

- 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

Week 3

- Unit 3**
- 3.1** Place value and expanded notation
 - 3.2** Multiplication facts 2, 4, 8, 5, 10
 - 3.3** Multiplication facts 3, 6, 9
 - 3.4** PS strategy: Making an organised list

- Unit 12**
- 12.1** Calculating perimeter
 - 12.2** Area
 - 12.3** Area of irregular shapes
 - 12.4** Revision: Units 10–12

Week 4

- Unit 4**
- 4.1** Drawing pyramids and prisms
 - 4.2** Collecting and organising data
 - 4.3** Modelling multiplication with arrays
 - 4.4** Revision: Units 1–4

Unit 13 Investigation: It's only natural

Week 5

Unit 5 Investigation: Time of my life

- Unit 14**
- 14.1** Describing possible outcomes
 - 14.2** Dependent and independent events
 - 14.3** Views of 3D objects
 - 14.4** Assessment

Week 6

- Unit 6**
- 6.1** Multiplication problem-solving
 - 6.2** Calculating with money
 - 6.3** Budgets
 - 6.4** PS strategy: Drawing a picture or diagram
 - 6.5** Assessment

- Unit 15**
- 15.1** Equivalent number sentences
 - 15.2** Addition
 - 15.3** Subtraction
 - 15.4** PS strategy: Guessing and checking

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

- Unit 16**
- 16.1** Dot plots
 - 16.2** Multiplying and dividing by 10, 100, 1000
 - 16.3** Comparing and ordering numbers
 - 16.4** PS strategy: Solving a simpler problem

Week 8

- Unit 8**
- 8.1** Measuring with grams
 - 8.2** Rounding to 100 000
 - 8.3** Measuring with kilograms and grams
 - 8.4** Revision: Units 6–8

- Unit 17**
- 17.1** Estimation strategies
 - 17.2** Grid references
 - 17.3** Maps, pathways and directions
 - 17.4** Revision: Units 14–17

Week 9

Unit 9 Investigation: Plenty of pikelets

Unit 18 Investigation: Heritage hunt

Term 3

Unit 19 **19.1** Addition
19.2 Subtraction
19.3 Place value to hundred thousands
19.4 PS strategy: Finding a pattern or using a rule

Unit 20 **20.1** Column 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 Mixed numerals
23.3 Multiplication using the area model
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, 4, 8, 5, 10
25.2 Division facts 3, 6, 9
25.3 Modelling division with area
25.4 Problem-solving practice

Unit 26 **26.1** Division problem-solving
26.2 Multiplication using the area model
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 Connecting decimals and fractions
28.3 Facts families for multiplication and division
28.4 Problem-solving practice

Unit 29 **29.1** Division
29.2 Measuring with millimetres
29.3 Millimetres, centimetres and metres
29.4 Problem-solving practice

Unit 30 **30.1** Turnarounds and friendly pairs
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

Term 1

Term 2

Week 1

- Unit 1**
- 1.1** Maths is everywhere
 - 1.2** Fact families for multiplication and division
 - 1.3** Modelling division

Week 2

- Unit 2**
- 2.1** Place value to millions
 - 2.2** Addition
 - 2.3** Subtraction
 - 2.4** PS strategy: Guessing and checking

Week 3

- Unit 3**
- 3.1** Rounding to ten thousands
 - 3.2** Estimation strategies
 - 3.3** 24-hour time
 - 3.4** PS strategy: Acting out the problem

Week 4

- Unit 4**
- 4.1** Reading timetables
 - 4.2** Australian time zones
 - 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** Measuring mass
 - 6.2** Measuring with tonnes and kilograms
 - 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 the area model
 - 7.2** Place value to thousandths
 - 7.3** Rounding decimals
 - 7.4** PS strategy: Drawing a picture or diagram

Week 8

- Unit 8**
- 8.1** Timelines
 - 8.2** Multiplication using split and multiply
 - 8.3** Column graphs
 - 8.4** Revision: Units 6–8

Week 9

- Unit 9** Investigation: Breakfast club

- Unit 10**
- 10.1** Place value beyond millions
 - 10.2** Multiplication – 3 digits \times 1 digit
 - 10.3** Calculating perimeter
 - 10.4** PS strategy: Making an organised list

- Unit 11**
- 11.1** Perimeter of rectangles
 - 11.2** Area of rectangles
 - 11.3** Perimeter and dimensions
 - 11.4** PS strategy: Solving a simpler problem

- Unit 12**
- 12.1** Hectares and square kilometres
 - 12.2** Classifying triangles
 - 12.3** Quadrilaterals
 - 12.4** Revision: Units 10–12

- Unit 13** Investigation: Radical renovation

- Unit 14**
- 14.1** Addition
 - 14.2** Subtraction with zeros
 - 14.3** Multi-step problems – add and subtract
 - 14.4** Assessment

- Unit 15**
- 15.1** Measuring with kilometres
 - 15.2** Division using split and divide
 - 15.3** Division
 - 15.4** PS strategy: Finding a pattern or using a rule

- Unit 16**
- 16.1** Line graphs
 - 16.2** Column graphs
 - 16.3** Comparing graphs
 - 16.4** PS strategy: Working backwards

- Unit 17**
- 17.1** Factors
 - 17.2** Prime and composite numbers
 - 17.3** Division
 - 17.4** Revision: Units 14–17

- Unit 18** Investigation: Factor frenzy

Term 3

Unit 19 **19.1** Coordinates to locate position
19.2 Division with remainders
19.3 Multiply decimals by 10, 100, 1000
19.4 PS strategy: Finding smaller parts of a larger problem

Unit 20 **20.1** Comparing and ordering fractions
20.2 Fractions as division
20.3 Adding and subtracting fractions
20.4 Problem-solving practice

Unit 21 **21.1** Adding and subtracting fractions
21.2 Subtracting fractions from one whole
21.3 Comparing decimals
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 Division with remainders
23.4 Assessment

Unit 24 **24.1** Multiplication
24.2 Multiplication by tens and hundreds
24.3 Multiplication using the area model
24.4 Problem-solving practice

Unit 25 **25.1** Multiplication – 3 digits \times 2 digits
25.2 Choosing units of measurement
25.3 Measuring with litres and millimetres
25.4 Problem-solving practice

Unit 26 **26.1** Displacement with litres and millilitres
26.2 Categorical and numerical data
26.3 Ordinal data
26.4 Revision: Units 23–26

Unit 27 Investigation: Down the drain

Term 4

Unit 28 **28.1** Measuring angles 0° to 360°
28.2 Rounding using a target digit strategy
28.3 Estimation strategies
28.4 Problem-solving practice

Unit 29 **29.1** Place value and expanded notation
29.2 Place value to billions
29.3 Regular and irregular shapes
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** Pyramids and prisms
32.2 Cross-sections
32.3 Nets of objects
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

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

Week 2

- Unit 2**
- 2.1** Fractions as division
 - 2.2** Fractions as division
 - 2.3** Rotational symmetry
 - 2.4** PS strategy: Working backwards

Week 3

- Unit 3**
- 3.1** Properties of angles
 - 3.2** Multiplication
 - 3.3** Division with remainders as fractions
 - 3.4** PS strategy: Drawing a picture or diagram

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

Week 5

- Unit 5** Investigation: Lilja's locked level

Week 6

- Unit 6**
- 6.1** Percentages
 - 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

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

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

Week 9

- Unit 9** Investigation: Happy hippos

- Unit 10**
- 10.1** Reading timetables
 - 10.2** Modelling to solve problems
 - 10.3** Timelines
 - 10.4** PS strategy: Making an organised list

- Unit 11**
- 11.1** Equivalent fractions
 - 11.2** Side-by-side column graphs
 - 11.3** Line graphs
 - 11.4** PS strategy: Guessing and checking

- Unit 12**
- 12.1** Stacked line graphs
 - 12.2** Mode and range
 - 12.3** Comparing graphs
 - 12.4** Revision: Units 10–12

- Unit 13** Investigation: Unique you

- Unit 14**
- 14.1** Function machines
 - 14.2** Order of operations
 - 14.3** Balancing equations
 - 14.4** Assessment

- Unit 15**
- 15.1** Equivalent fractions
 - 15.2** Adding and subtracting fractions
 - 15.3** Fractional parts build to the whole
 - 15.4** PS strategy: Solving a simpler problem

- 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

- 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

- Unit 18** Investigation: Record breaker

Term 3

Unit 19 **19.1** Coordinates in one quadrant
19.2 Area of parallelograms
19.3 Area of triangles
19.4 PS strategy: Acting out the problem

Unit 20 **20.1** Percentages
20.2 Renaming fractions as percentages
20.3 Discount
20.4 Problem-solving practice

Unit 21 **21.1** Multi-step problems
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** Skeletal models of pyramids
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** Division with remainders to tenths
26.2 Division with remainders to hundredths
26.3 Volume
26.4 Revision: Units 23–26

Unit 27 Investigation: Is petrol pricey?

Term 4

Unit 28 **28.1** Volume
28.2 Patterns and rules
28.3 Translation, reflection, rotation
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 Fair and unfair outcomes
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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