



# 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.

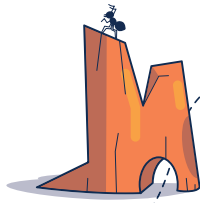
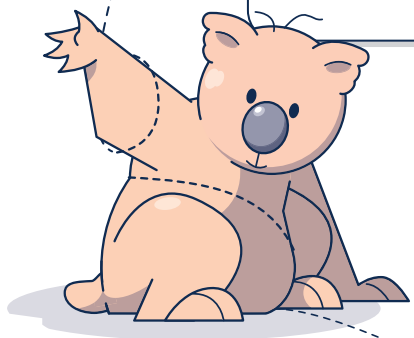
In the meantime, schools can use the Australian Curriculum Edition.





# Contents

- The Maths Trek Program ..... 3
- How To Use Maths Trek In Your Classroom ..... 4
- Maths Trek Yearly Plans (NSW Syllabus Edition)
  - Kindergarten ..... 6
  - Year 1 ..... 8
  - Year 2 ..... 10
  - Year 3 ..... 12
  - Year 4 ..... 14
  - Year 5 ..... 16
  - Year 6 ..... 18





# 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

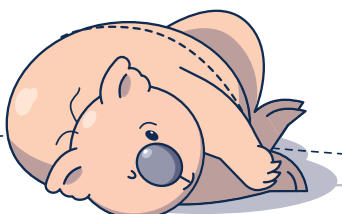


## At Maths Trek Online\* you will find ...

- 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.

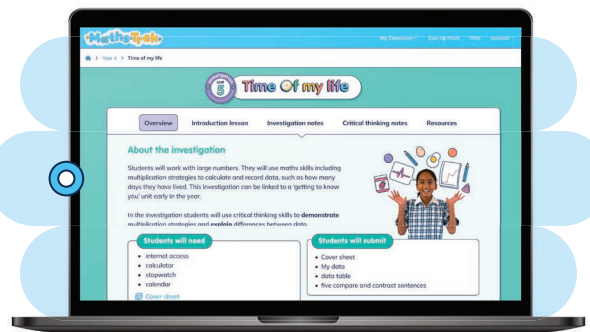
To maximise the benefits of the program, use the Student Book with the explicit teaching resources at Maths Trek Online to build, develop and strengthen each student's ability to work mathematically.

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.

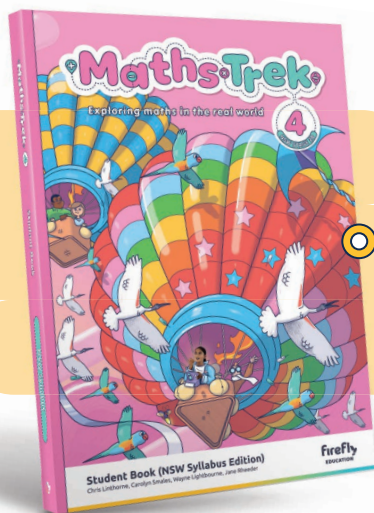


## Maths Trek Student Book

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.

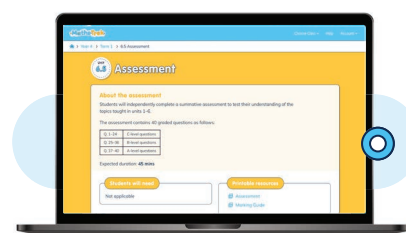
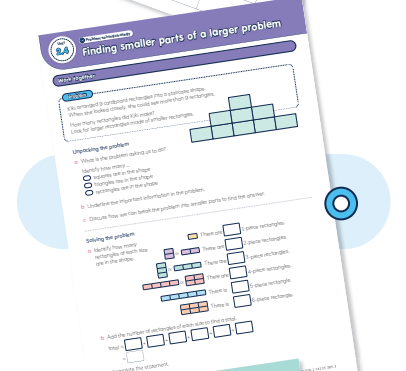
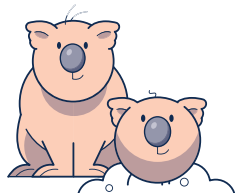
Use the online teaching notes, exemplars, videos and printable resources to introduce and guide students through each step of the investigation.

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 areas  
**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 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 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** 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

- 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

Week 2

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

- 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

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

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

Week 4

- Unit 4**
- 4.1** Reading timetables
  - 4.2** Australian time zones
  - 4.3** Coordinates and directions
  - 4.4** Revision: Units 1–4

**Unit 13** Investigation: Radical renovation

Week 5

**Unit 5** Investigation: Race around Australia

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

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

- 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

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

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

Week 8

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

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

Week 9

**Unit 9** Investigation: Breakfast club

**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  $0^\circ$  to  $180^\circ$   
**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  $0^\circ$  to  $360^\circ$   
**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

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

Week 2

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

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

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

- Unit 12**
- 12.1** Stacked line graphs
  - 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** 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

- 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

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

## 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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