

SAVING TEACHERS TIME

# MATHS CATALOGUE



[abacused.com.au](http://abacused.com.au)

49 Guthrie Street, Osborne Park WA 6017

P:08 9445 7133

## Attribute blocks help develop high level thinking skills

### ATTRIBUTE BLOCK DESK SET

**1M004**  
**1M006**

**Desk Set – 60 pieces**  
**Jumbo Set – 60 pieces**

- Sort and classify by attributes – size, thickness, colour and shape
- Learn 2D geometric shapes
- 2 sizes, 2 thicknesses, 3 colours and 5 shapes
- Jumbo Set: square measures 84mm
- Desk Set: square measures 54mm



### DEVELOP MATHEMATICAL LANGUAGE

### SORTING CIRCLES

**1B306**  
**1B305**

**Set of 6**  
**Set of 15**

Use them singularly or create a Venn diagram for sorting, comparing and attribute activities. Each set includes three colours.



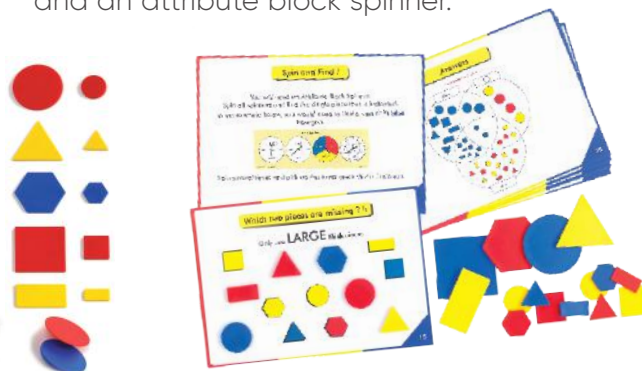
**1B306: 500mm**

**1B305: 250mm**

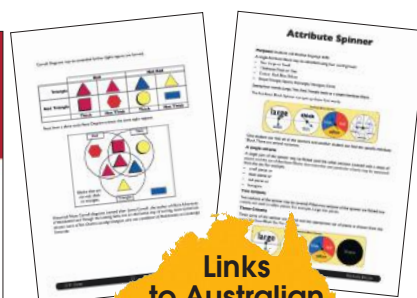
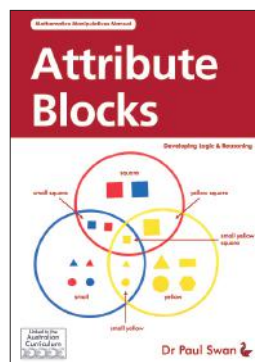
### ATTRIBUTE BLOCKS ACTIVITY CARDS

**1M003**

Set includes 20x A4 double-sided attribute block cards, with answers to the problems detailed, and an attribute block spinner.



### ATTRIBUTE BLOCKS: DEVELOPING LOGIC & REASONING DPS1000



Links  
to Australian  
Curriculum

### 50 ATTRIBUTE BLOCK ACTIVITY CARDS JL323

The front side provides teaching objectives, resources used and procedure. The other side provides visual examples.





## DEVELOPING MATHEMATICAL LANGUAGE

Barrier games are an ideal way of helping students perceive the need to use precise mathematical language.

How to play:

A barrier is placed between two people. One player creates a design and then describes it to the player on the other side of the barrier. The second player attempts to replicate the design based on the verbal instructions that are given.

There are 8 types of basic games:

- Simple Sequencing or Pattern Making
- Matching Pairs
- Assembly
- Construction
- Location
- Grids
- Route finding
- Spotting differences



## BARRIER GAMES BOOK: LINKING LITERACY AND NUMERACY

(WRITTEN BY DR PAUL SWAN)

DPS1001

Barrier games are simple to set up and play. Written by Dr Paul Swan, this book links the mathematics concepts and vocabulary required to play specific barrier games.

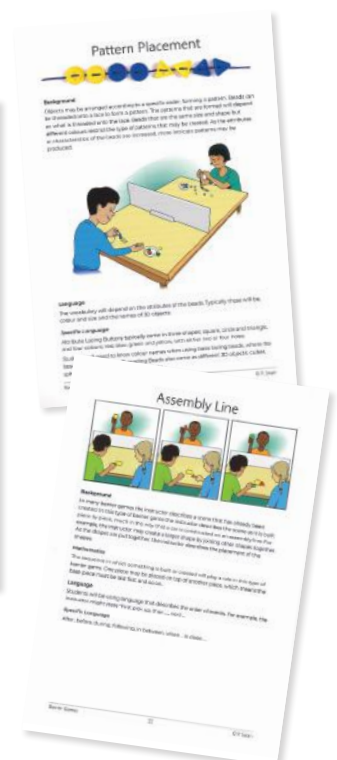
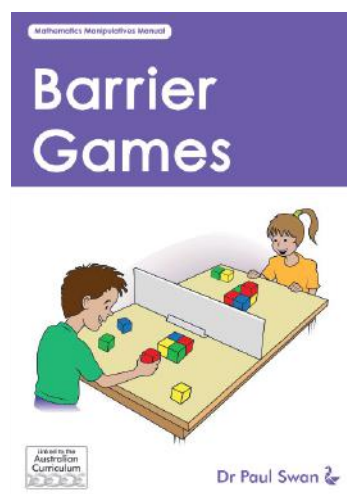
Activities are linked to the Australian Curriculum. Variations are provided to assist teachers in differentiating the curriculum.

## BARRIER STANDS CLASS SET 1N046

- 15x plastic boards (348 x 244mm)
- 15x barrier stands
- Barrier Games Book
- Deep Grattrells Tray with Lid



Dimensions w x h (mm)  
348 x 244



## BASIC FACTS KIT

1C320

- 8x Combo playing cards pack
- 8x Spindiv games measuring 296mm x 209mm
- 8x Multispin games measuring 296mm x 209mm
- 8x Probability spinner boards measuring L 297mm x W 210mm
- 1x Combo games ideas booklet
- 1x Shallow Gratralls tray with lid



Gratralls  
SHALLOW Tray

## TIMES TABLE SWAT!

1C306

- Choose the times table(s) you wish to practise before laying out the flies
- Colour-coded flies cover the 2-12 times tables
- 132 flies and 4 swatters!



SPOT AND SWAT THE 2-12 TIMES TABLE!

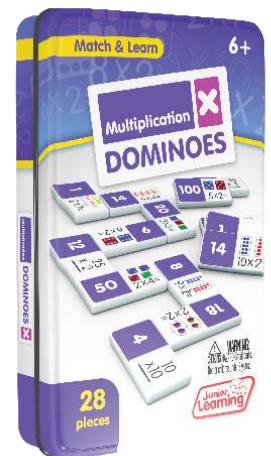
## MULTIPLICATION DOMINOES

JL483

Children will love applying their multiplication skills using a variety of visual representations to win the matching game.

Includes 28 dominoes.

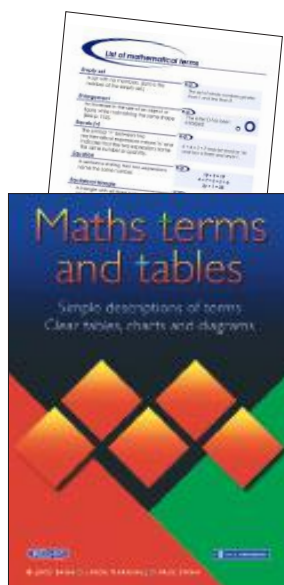
Ages 6+



## MATHS TERMS AND TABLES

1P017

More than just a dictionary of mathematics terms, this best-selling publication includes diagrams and examples where possible to illustrate the concepts and ideas being discussed.

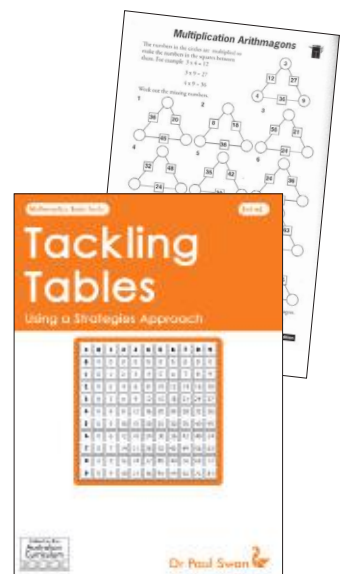


## TACKLING TABLES

2<sup>nd</sup> EDITION

DPS1050

This book provides one of the most comprehensive explanations on how to 'teach' tables. A must for every middle and upper primary teacher.

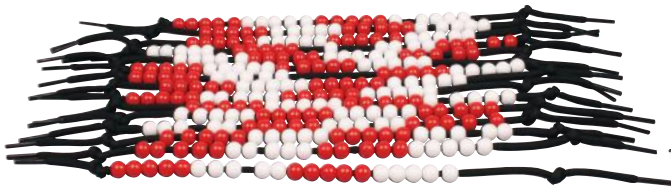




## BEAD STRING - 20 BEADS

**1C260** Pack of 15 strings

- 20 beads in each string
- Groups of 5 red & 5 white beads
- 15 strings in the set
- 10mm diameter beads



## BEAD STRINGS AND ACTIVITIES CARD SET

**1C262**

- 20 beads in each string
- Groups of 5 red & 5 white beads
- 30 strings in the set
- 10mm diameter beads
- Set of 50 double-sided activity cards for teaching maths skills with rekenrek bead strings



## 50 BEAD STRING ACTIVITIES CARDS

**JL322**

Topics: Counting, numbers, bigger & smaller, the 4 operations, place value, compliments, rounding, fractions, percentages, ratios and many more.



## BEAD STRING - 100 BEADS

**1C265**

**Student each - 10mm**

**1C263**

**Teacher each - 18mm**

Perfect for teaching counting, subtraction, counting on, building to and more!

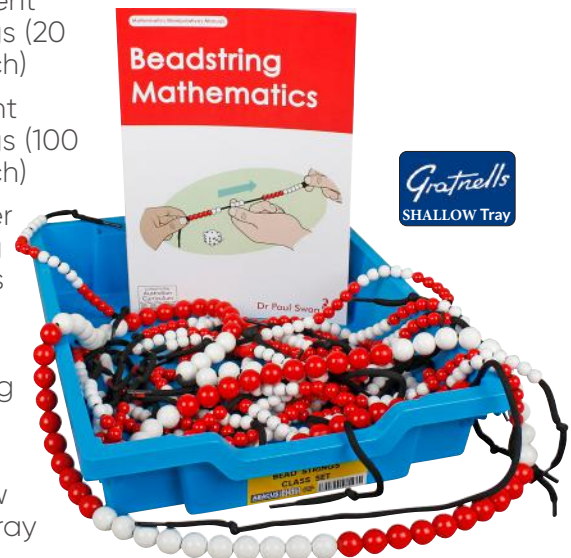
- 100 Beads on a lace
- Red & white in groups of 10



## ASSORTED BEAD STRINGS CLASS SET

**1C264**

- 30x Student beadstrings (20 beads each)
- 6x Student beadstrings (100 beads each)
- 1x Teacher beadstring (100 beads each)
- 1x 50 Bead String Activities cards
- 1x Shallow Grattrells tray with lid



## 100 BEADS CLASS SET

**1C267**



- 15x 100 Student bead strings
- 1x 100 Teacher bead strings
- 1x Bead string mathematics book by Dr Paul Swan
- 1x Extra deep Fischer box

The Bond Blocks system has two targeted uses:



1

### MENTAL MATHS FOR YEARS 1 TO 3

Linking part-part-whole understanding with basic addition and subtraction fact fluency and associated word problems.

2

### AS AN INTERVENTION SUPPORT SYSTEM FOR YEARS 3 TO 6

For older students who count to add and subtract. The Bond Block Test is used for placement and monitoring. Activities designed to support students with learning disabilities.

Features of every activity in the system:

	Either an Individual or Pair Activity
	Uses one A3 Activity Board
	Free Webpage of Teacher Notes

	Teaching Modelled in Video
	Differentiated
	Positive Testimonials from Teachers

## THE BLOCKS



Linear Ten

Empty Ten Frame

Bond Blocks have a number of unique features:

They are not scored, reducing the tendency to simply count.

The natural wood colour of the sustainably-sourced New Zealand Pine reduces distraction of colourful plastic and focuses children on the numbers.

Represent ten with two different blocks: Linear Ten and Empty Ten Frame, similar to a ten strip and ten frame.

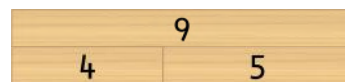
They are a ratio of one unit : 2 cm making them easy to manipulate.

Self-checking. Encourage number sense and estimation.

"I think  $9 - 4$  is 6. Oops! 6 is one too big."



"It must be 5. I'll check. Yes  $9 - 4$  is 5."



Based on Part-Part-Whole (also known as Bar Model, Singapore Maths) thinking

Part + Part = Whole



so  $2 + 3 = 5$



and  $3 + 2 = 5$

Whole - Part = Part



so  $5 - 2 = 3$



and  $5 - 3 = 2$



## BOND BLOCKS CORE KIT

### DPS5001

- 1x 108 activity boards
- 10x plastic sleeves (one for each chapter)
- 4x Sets of wooden Bond Blocks in carry cases
- 1x Materials Pack
- 1x Bond Blocks USB with downloaded copies of the teacher materials and online materials
- 1x "Bond Blocks Implementation" book
- 1x "Bond Blocks Assessment and Monitoring" book
- 1x "Bond Blocks Teacher Notes" book
- 1x "Bond Blocks Differentiation" book
- 1x "Bond Blocks Answers" book



## BOND BLOCKS COUNTING TO 10 & 20 KIT

### DPS5100

- 46x A3 boards in 5 plastic wallets
- 17x Exploratory play cards in a plastic wallet
- 128x Guided play A4 cards in 4 plastic wallets
- 6x Wooden Bond Blocks sets
- 15x Round Transparent Spinners
- 15x Write 'n' Wipe sleeves
- 15x Black Pens
- 2x Pack of Two-colour Counters
- 1000x Maths Cubes
- 1x Implementation Support Book
- 1x USB with everything



## 4 BLOCK + MATERIAL PACK ADD-ON

### DPS5004



## 12 BLOCK + MATERIAL PACK ADD-ON\*

### DPS5002



## LARGE DISPLAY CALCULATOR

1Q006

- 8 digits with sign LCD display
- Auto-off function
- Chain and percentage calculation
- Memory calculation

Dimensions w x h (mm)

100 x 120

DISPLAY MEASURES 50X12mm



## CLASS SET LARGE DISPLAY CALCULATORS

1Q007

Class set of 32 large display calculators in Gratnells tray with foam insert.



FOAM  
INSERT

Gratnells  
DEEP Tray

## POCKET CALCULATOR

1Q001

Large, 8 digits easy to read LCD numbers with soft distinctive keypads. Dual solar/battery power.

Dimensions w x h (mm)

65 x 110

THIN & STYLISH DESIGN



## CLASS SET POCKET CALCULATORS INCLUDES TEACHER'S CALCULATOR

1Q003

Class set of 30

- 30x Pocket calculators in Gratnells tray with foam insert
- 1x Large Teacher's Calculator



FOAM  
INSERT

Gratnells  
DEEP Tray

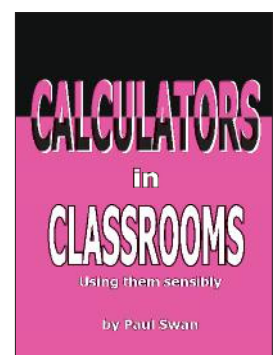


Supporting  
Book

## CALCULATORS IN CLASSROOMS

USING THEM SENSIBLY  
DPS1005

This book contains many calculator games and activities, and detailed notes on how to use a calculator.



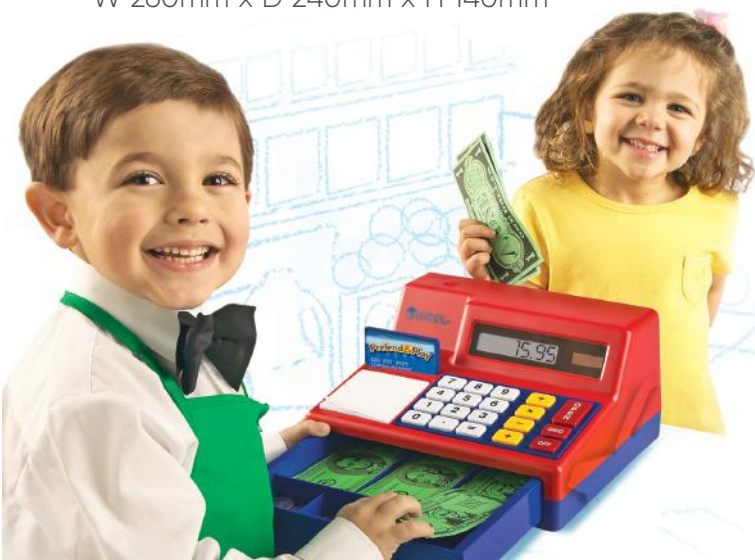
## CALCULATOR CASH REGISTER

1F100

Solar-powered

Fantastic working solar powered calculator cash register. Children love learning basic calculator skills with oversize buttons and big display

- W 260mm x D 240mm x H 140mm





## Weight Related Bears

CLASSROOM FAVOURITE



### BEAR FAMILY COUNTERS (4 COLOURS)

**1B001** Box of 96

• 3 Sizes • 3 Weights • 4 Colours



### SMALL BEAR COUNTERS (4 COLOURS)

**1B002** Box of 200

• 1 Small Size • 4 Colours



### THREE BEAR FAMILY® PATTERN CARDS

**1B007**



- 16 double-sided
- Full-colour
- Activity cards that match size of bear counters.

**FOR USE WITH 4 COLOUR COUNTERS**

### PRIMARY BUCKET BALANCE

**1K005** Each  
**1K005-12** Set of 12

Cover buckets with lids for use as measurement platforms. Buckets can also be used to measure liquids! Balance features a built-in storage drawer.

- 410mm x 160mm x 150mm
- \* Weight related bears not included



**BEST  
SELLER**

## TRANSPARENT COUNTERS (4 COLOURS)

**1B123**

Box of 1000

**1B125**

Box of 2000



**19mm**

## OPAQUE COUNTERS (10 COLOURS)

**1B128**

Box of 1000

**1B129**

Box of 2000



## TRANSPARENT COUNTERS (10 COLOURS)

**1B101**

Box of 1000

**1B116**

Box of 2000



**22mm**

## OPAQUE COUNTERS (10 COLOURS)

**1B103**

Box of 1000

**1B117**

Box of 2000



## STACKABLE COUNTERS

**38mm**

**1B104**

Jar of 250 - Red opaque

**1B105**

Jar of 250 - Blue opaque

**1B106**

Jar of 250 - Green opaque

**1B107**

Jar of 250 - Yellow opaque

**1B114**

Jar of 250 - 10 opaque

**1B115**

Jar of 250 - 6 fluoro





## Two Colour Counters

### TWO COLOUR COUNTERS – 25mm

1B122  
1B124  
1B131

Set of 200  
Box of 400  
Box of 1000



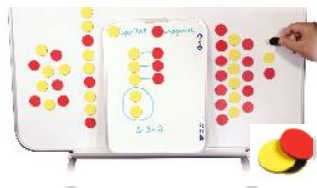
### MAGNETIC TWO COLOUR COUNTERS – LARGE 100mm

1B126

Set of 20



- 20x 100mm single-sided round disc magnets
- 10x Yellow
- 10x Red

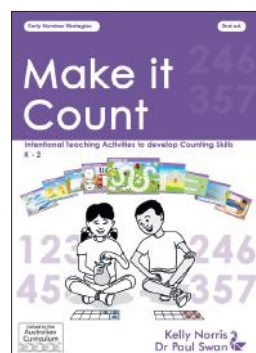


*\*Whiteboard not included*

### MAKE IT COUNT: INTENTIONAL TEACHING ACTIVITIES TO DEVELOP COUNTING SKILLS

DPS1027

This book is a must for early childhood teachers right through to Year 2. Clear links between the strategies and the Australian Curriculum are made so that teachers are on track with the latest curriculum developments.



### 50 TWO-COLOUR COUNTER ACTIVITIES

JL639

Set of 50 Cards

Topics:  
addition,  
subtraction,  
counting,  
equivalence,  
multiplication,  
division,  
fractions and  
probability.



### MAGNETIC TWO COLOUR COUNTERS – 25mm

1B118

Box of 200

These magnetic counters made of foam are ideal for whole class or small group instruction.



- 100x Red
- 100x Yellow

### MAGNETIC TWO COLOUR COUNTERS – ASSORTED SET

1B127

Set of 220

- 20x Large 100mm counters
- 200x small 25mm counters



## DINOSAURS

**1B201** Box of 128

- 8x different dinosaurs in 4 colours
- Measures 60mm



## TRANSPORT

**1B206** Jar of 72

- 6x different vehicles in 6 colours
- Measures 40 – 50mm



## AQUATIC

**1B205** Jar of 84

- 14x aquatic animals in 6 colours
- Measures 40mm



## VEGETABLES

**1B210** Box of 72

- 6x different types of vegetable (24 each): corn, capsicum, carrots, cucumbers, eggplant, garlic
- Measures 55mm



## FRUITS

**1B204** Jar of 108

- 6x fruits in 6 colours
- Measures 20mm



## BUGS

**1B200** Jar of 72

- 6x different bugs in 6 colours
- Measures 55mm



## FARM ANIMALS

**1B203** Jar of 72

- 6x shapes and colours
- 72x counters measuring 35mm



## THEMED COUNTERS KIT

**1B215**

- 72x Bug counters 55mm
- 128x Dinosaur counters 60mm
- 108x Fruit counters 20mm

- 84x Aquatic counters 40mm
- 72x Transport counters 40mm
- 72x Vegetable counters 55mm



*Gratnells*  
DEEP Tray



**BEST  
SELLER**

## TURN & LEARN NUMBER BOARD 1C201

The most versatile number board available. Large and highly visible, the Turn & Learn Number Board is strong, sturdy and robust. Perfect for whole-class demonstrations.

Simple to use with many features:

- Option to begin activities at either zero or one
- Numbers go beyond 100 to 120
- Three choices to highlight and display number patterns
- Count backwards: turn board upside-down
- Faces of cubes easily reset with the swipe of a hand



Dimensions w x h (mm)  
**540 x 640**

## HUNDREDS POCKET CHART 1C202

Washable pocket chart includes 100 numbered cards with teaching guide. Cards are coloured differently on reverse side to highlight number patterns.



Dimensions w x h (mm)  
**650 x 690**

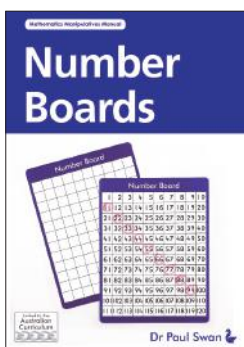
## HIP HOPPIN' HUNDRED MAT 1C207

Hop on this oversize wipe-clean version of the familiar hundreds board. Includes 2 inflatable dice, 54 square number frames and activity guide with intervention strategies.



Dimensions w x h (mm)  
**1270 x 1270**

## NUMBER BOARDS DPS1036



You will be amazed at the different number concepts that can be developed using a variety of number boards. Students can perform simple calculations using the boards, identify odd, even, prime and composite numbers and engage in patterning and algebra and early algebraic thinking.

## 1-120 NUMBERED WHITEBOARD CLASS SET 1Q445

- 30x 1-120 numbered whiteboards
- 30 fine tip black pens
- 30x whiteboard erasers
- 250mL whiteboard cleaner
- Gratnells storage tray with lid



## WOOD CUBES – 1cm

**1C001** Pack of 1000  
**1C001-5** Box of 5000



## WOOD CUBES – 2cm

**1L100** Pack of 100  
**1L101** Box of 500



## INTERLOCKING CENTIMETRE CUBES

**1L102** Box of 1000  
**1L124** Class Set of 2000  
(Free time saving ideas booklet using interlocking cubes)

- 2000x 1cm interlocking cubes
- 20x 1cm baseboards
- Plastic storage box

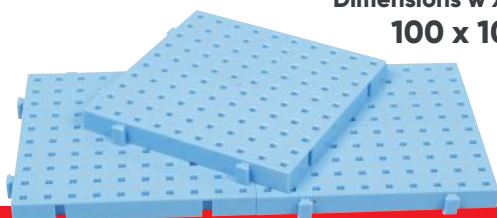


## INTERLOCKING CENTIMETRE CUBE BASE BOARD

**1L103-10** Set of 10

10cm x 10cm grid provides a firm base for graphing, patterning and measurement explorations using interlocking centimetre cubes.

Dimensions w x h (mm)  
**100 x 100**



## PLASTIC CUBES - 1cm

**1C021** Pack of 1000



## PLASTIC CUBES - 2cm

**1L106** Box of 100



## 50 LINK CUBE ACTIVITIES

**JL324** Set of 50 Cards

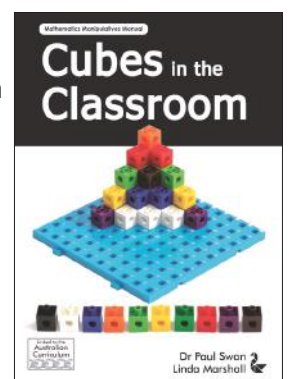
Topics include: addition, measuring, shapes, estimation, even & odd, < and >, difference, comparison, equivalence, skip counting, multi-plication, fractions, patterns, 3D shapes & symmetry.



## CUBES IN THE CLASSROOM BY DR PAUL SWAN

**DPS1017**

Connecting cubes may be used for early years construction. 2cm linking cubes may then be used later in the school to introduce number ideas, algebraic thinking, measurement ideas such as volume and spatial ideas involving viewing cube constructions from different angles.





## FREE TIME SAVING IDEAS BOOKLET USING INTERLOCKING CUBES

### UNILINK®

- 1L121** Set of 500  
**1L122** Group Set of 1000  
(Free time saving ideas booklet using interlocking cubes)

Easy to connect, interlocking cubes are perfect for teaching students fundamental maths concepts – counting, sorting, patterns, addition, subtraction, multiplication, graphing and more!

Cubes come in 10 colours.



Gratnells  
DEEP Tray

### UNILINK® CLASS SET

- 1L123** Class Set of 2000  
(Free time saving ideas booklet using interlocking cubes)

- 2000x Unilink cubes
- 1x Gratnells storage tray with lid



Gratnells  
JUMBO Tray

### INTERLOCKING 2cm CUBES - CLASS SET

- 1L125** Class Set of 2000  
(Free time saving ideas booklet using interlocking cubes)

Great for lacing, patterning, basic operations, measurement and problem solving.

High quality plastic interlocking 2cm cubes fit together easily and come in 10 bright colours.

This class set includes:

- 2000x 2cm interlocking cubes
- 1x Gratnells storage tray with lid



Gratnells  
JUMBO Tray

### INTERLOCKING 2cm CUBES

- 1L104** Set of 500  
**1L109** Group Set of 1000  
(Free time saving ideas booklet using interlocking cubes)

High quality plastic 2cm cubes fit together easily and come in 10 bright colours. Great for lacing, patterning, basic operations, measurement and problem solving.



Gratnells  
DEEP Tray

# Maths CUISENAIRE RODS

## WOODEN CUISENAIRE RODS PACK

**1C152 Set of 308**

Range of different colours and lengths. Promote mathematical quantity, value and number relationships, motor skills and creative awareness. Includes handy wooden storage box.



## PLASTIC CUISENAIRE RODS

**1D001-S Student Set (74 pieces)**  
**1D001 Class Set (370 pieces)**

Create an 'equals mat', where equal length pieces are laid end on end. If the long brown bar is given a value of one, then the two crimson bars must represent a half, the four red bars would represent a quarter and the eight white bars would represent one eighth of the total length.



## PLASTIC CONNECTING CUISENAIRE RODS

**1C154 Tub of 155**

10 colours with varying length. These rods connect together. This tub is great for small group work of 4-6 students.



**SMALL GROUP SET**

## MAGNETIC CUISENAIRE RODS

**1C156 Set of 64**

Demonstration set includes:

- Largest piece: 250mm x 25mm
- 20x white (shortest)
- 12x red
- 4x each of light green, purple, yellow, dark green, black, brown, blue and orange (longest)



## CUISENAIRE RODS KIT

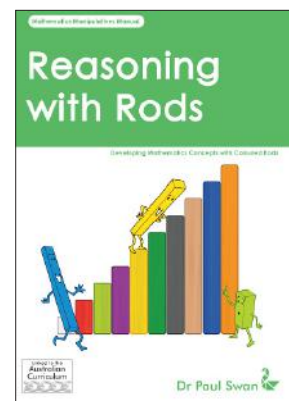
**1C157**

- 370x Plastic Cuisenaire Rods
- Magnetic Cuisenaire Rods
- Supporting book Reasoning with Rods (Dr Paul Swan)
- Storage Box



## REASONING WITH RODS DPS1046

Sections of the book include number, algebra, the development of fraction concepts and mathematical reasoning tasks.





## JUMBO PVC DICE

Each 90mm diameter

MADE OF PVC (WHICH MEANS NO NOISY ROLLING!)



## BAGS OF JUMBO PVC DICE

- 1E208-10** Bag of 10 – 6 face dotted dice  
**1E213** Bag of 10 – 5x 6 face numbered dice and 5x 6 face dotted dice  
**1E219** Bag of 10 – 5x 6 face dotted dice and 5x 10 face numbered dice  
**1E214** Bag of 10 assorted dice – 2 of each jumbo dice



## ASSORTED JUMBO PVC DICE

**1E218** Set of 5

- 6-Sided Dotted
- 6-Sided Numbered
- 10-Sided Numbered
- 12-Sided Numbered
- 20-Sided Numbered



## SOFT DICE KIT

**1E215**

- Giant foam dotted dice (pair)
- Jumbo PVC 6-sided numbered
- Jumbo PVC 6-sided dotted
- Jumbo PVC 10-sided numbered
- Jumbo PVC 12-sided numbered
- Jumbo PVC 20-sided numbered
- 22mm dotted foam dice pack
- 22mm numbered foam dice pack
- Gratnells Deep Tray with Lid

## GIANT FOAM DICE

**1E204** Dots (pair)



125mm  
GIANT  
SOFT  
CUBES



## 6-SIDED 16mm DOTTED

1E050-80 Jar of 80  
1E050-200 Jar of 200



## 6-SIDED 16mm NUMBER

1E002-80 Jar of 80



## 6-SIDED 16mm WORD

1E007-80 Jar of 80



## 10-SIDED 16mm NUMBER

1E004-80 Jar of 80  
1E004-200 Jar of 200



## 12-SIDED 18mm NUMBER

1E005-60 Jar of 60



## 20-SIDED 20mm NUMBER

1E006-60 Jar of 60



## 6-SIDED 22mm DOTTED

1E052-30 Jar of 30  
1E052-60 Jar of 60



## 6-SIDED 16mm BLANK

1E102-80 Jar of 80  
1E102-200 Jar of 200



## POSITIVE/NEGATIVE DICE

1E117-50 Jar of 50



Visit [abacused.com.au](http://abacused.com.au) for more dice configurations



## DICE SAMPLER SET

1E254

**Set of 60**



- 10x 4-sided number dice – 18mm
- 10x 6-sided number dice – 16mm
- 10x 8-sided number dice – 16mm
- 10x 10-sided number dice – 16mm
- 10x 12-sided number dice – 18mm
- 10x 20-sided number dice – 20mm
- 6 compartment storage box

## ADVANCED DICE SET

1E253

## Set of 70



- 5x 10-sided numbered dice - 16mm
- 5x 12-sided numbered dice - 18mm
- 5x 20-sided numbered dice - 20mm
- 10 x 6-sided dotted dice - 16mm
- 5x operations dice - 16mm
- 10x positive & negative dice
- 6x dice in dice - 6 Sided
- 6x dice in dice - 10 Sided
- 6x fraction dice
- Place Value dice - 16mm - Set of 8
- Place Value jumbo dice - 22mm - Set of 4
- 6 compartment storage box

## ESSENTIAL DICE SET

# 1E250

**Set of 58**



- 12x 6-sided dotted dice
- 10x 6-sided numbered dice
- 10x 10-sided dice (0-9)
- 3x 4-sided dice
- 3x 8-sided
- 3x 12- sided
- 3x 20-sided dice
- 3x 6-sided numbered (7-12)
- 5x operations dice
- 6x blank dice
- 5 compartment storage box

## 6'S AND 10'S DICE SET

1E256

Set of 72



- 48x 6-sided 16mm dotted
- 24x 10-sided 16mm number
- 6 compartment storage box

## JUMBO PLACE VALUE DICE SET

1E119

Classroom dice set, four different coloured 10-sided dice representing ones, tens, hundreds and thousands. Each dice measures 34mm.

Set includes 24 dice  
in plastic container.



## DICE IN DICE - 6 SIDED

1E109

Jar of 72

Brightly coloured, translucent outer dice measure 18mm and hold a single, smaller, white die inside.

TWICE  
THE DICE,  
TWICE  
AS NICE!



## DICE IN DICE - 10 SIDED

1E112

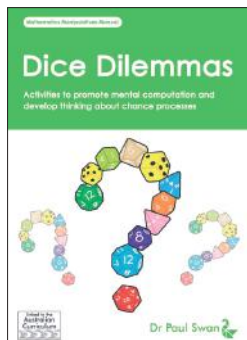
Set of 72

Features 10-sided shape on both interior and exterior die for teaching statistics, predictions and outcomes. Includes plastic dice in 5 colours (outer dice measure 25mm each).



## DICE DILEMMAS DR PAUL SWAN

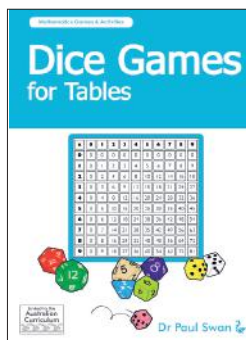
DPS1020



## DICE GAMES FOR TABLES

DR PAUL SWAN

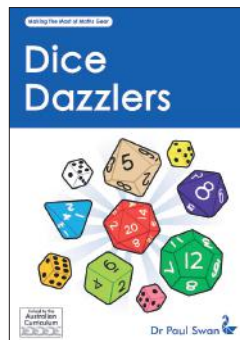
DPS1030



## DICE DAZZLERS

DR PAUL SWAN

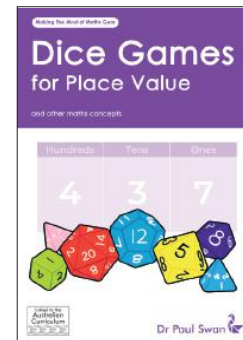
DPS1019



## DICE GAMES FOR PLACE VALUE

DR PAUL SWAN

DPS1021



## BULK DICE TRAY

1E257



Gratnells  
SHALLOW Tray

500 DICE  
PACKED  
FOR EASY  
SORTING &  
STORAGE

## 50 DICE ACTIVITY CARDS

JL340

Set of 50

Dimensions w x h (mm)  
180 x 115



- 60x 16mm 4 Sided Numbered Dice
- 60x 18mm 6 Sided Numbered Dice
- 60x 16mm 6 Sided Dotted Dice
- 60x 16mm 8 Sided Numbered Dice
- 60x 16mm 10 Sided Numbered Dice
- 60x 18mm 12 Sided Numbered Dice
- 60x 20mm 20 Sided Numbered Dice
- 80x 16mm 6 Sided Blank Dice
- 1x Purple Tray with 8 Small Green Inserts
- 1x Shallow Gratnells Tray with lid



## WRITE AND WIPE DICE

**JL617 Set of 4**

- Magnetic dice
- 4x bright colours
- Magnets can also be attached to faces
- Comes in a handy storage box
- 50mm x 50mm



## MULTIPLE REPRESENTATION DICE

**1E150  
1E152**

**Number Foam Dice  
Equivalency Foam Dice**



Dimensions w x h (mm)  
**43 x 43**

## SHOW ME WHITEBOARD PENS - PACKET 10

**1Q422  
1Q420  
1Q421**

**Fine Black  
Medium Black  
Assorted Colours**



## Pocket Dice

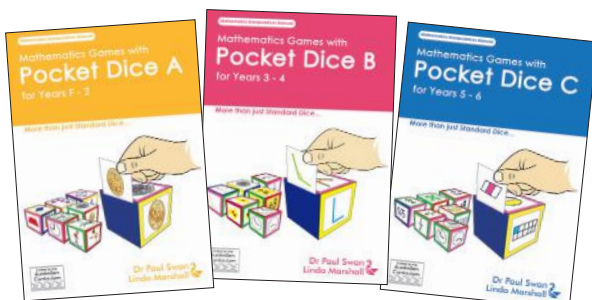
### MATHEMATICS GAMES WITH POCKET DICE DR PAUL SWAN AND LINDA MARSHALL

**DPS1039  
DPS1040  
DPS1041**

**Book A for Years F-2  
Book B for Years 3-4  
Book C for Years 5-6**

Each book contains:

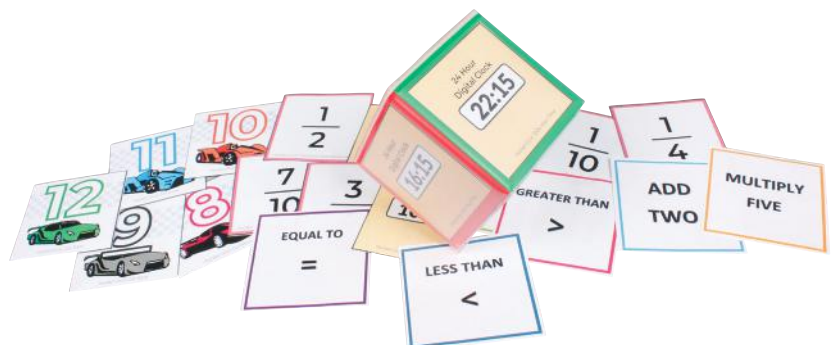
- Photocopiable inserts (designed to fit in a 100 x 100mm Pocket Dice)
- Comprehensive teaching notes for each game or activity



### POCKET DICE

**1E240 Each  
1E240-8 Set of 8**

- Insert cards into the clear vinyl pockets to create an instant lesson
- Each face: 100mm x 100mm (cards not included)



**CLEAR VINYL POCKETS**

## ADDITION DOMINOES

**JL481 28 Dominoes**



Work out each sum then match with the answer.  
Ages 5+

**All Dominoes come in a collectors tin for easy storage!**

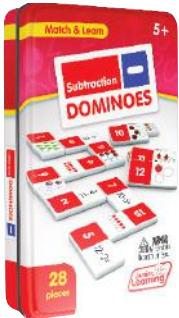
Manipulative dominoes make learning fun!



Dimensions w x h (mm)  
**50 x 25**

## SUBTRACTION DOMINOES

**JL482 28 Dominoes**



Solve each subtraction equation then double check your answer by finding a matching domino.  
Ages 5+

## MULTIPLICATION DOMINOES

**JL483 28 Dominoes**



Children will love applying their multiplication skills on a variety of visual representations.  
Ages 6+

## PLACE VALUE DOMINOES

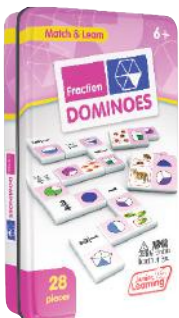
**JL489 28 Dominoes**



Use counting skills to match visual interpretations of ones, tens and hundreds place values to the equivalent number.  
Ages 5+

## FRACTION DOMINOES

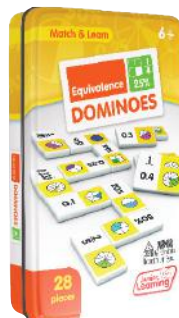
**JL485 28 Dominoes**



Learn to compare and match fractions portrayed in a variety of ways.  
Ages 6+

## EQUIVALENCE DOMINOES

**JL487 28 Dominoes**



Match fractions, decimals and percentages to visual elements.  
Ages 6+

## TIME DOMINOES

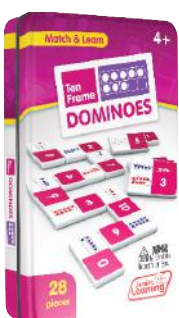
**JL486 28 Dominoes**



Become confident in telling the time by matching analogue and digital displays.  
Ages 5+

## TEN FRAME DOMINOES

**JL479 28 Dominoes**



Match visual interpretations on a ten frame to written numbers.  
Ages 4+

## ANGLES DOMINOES

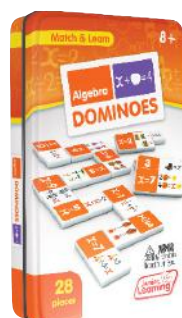
**JL496 28 Dominoes**



Work out the size of the missing section in many different shapes to win this game.  
Ages 7+

## ALGEBRA DOMINOES

**JL497 28 Dominoes**



Teach algebra equations to win this fun matching game.  
Ages 8+



## WOODEN DOMINOES

**1N406 Jar of 168**

6x sets of vibrantly coloured wooden dominoes.



Dimensions w x h (mm)  
21 x 42

## DOMINOES CLASS SET

**1N406-3 Box of 504**

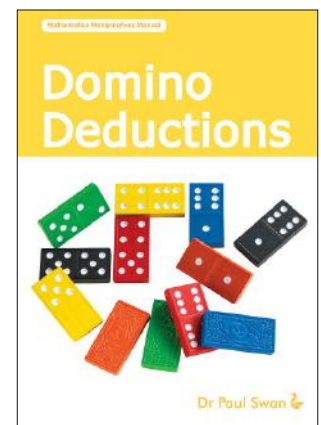
- 18x Double-six wooden dominoes sets in six different colours
- 3x Drawstring bags
- Domino work cards



## DOMINO DEDUCTIONS

**DPS1023**

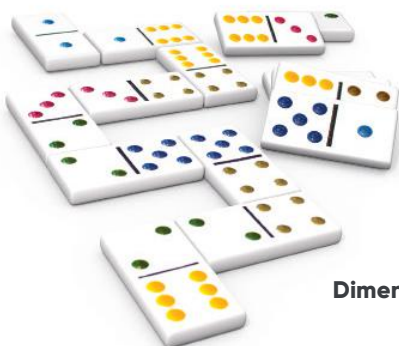
Use dominoes to achieve various curriculum outcomes. Includes teacher ideas, reproducible pages, background material and answers.



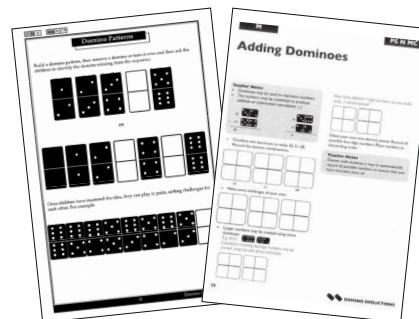
## 6 DOT DOMINOES

**JL484 Tin of 28**

Children will love the feel of real dominoes as they use their counting and recognition skills to match the dots to win this game. Includes 28 dominoes in a collectors tin for easy storage.



Dimensions w x h (mm)  
50 x 25



**COMES IN A COLLECTORS TIN FOR EASY STORAGE**

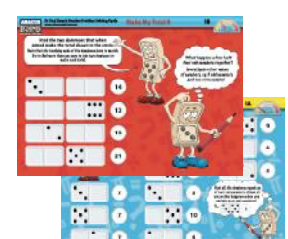
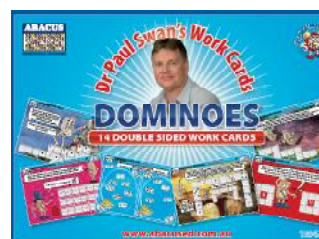
## DOMINOES WORK CARDS

**BY DR PAUL SWAN  
1N420**

All you need is a standard double-six set of dominoes to complete the problems featured on these cards.

While the cards start off with simple problems the complexity level soon increases and students will be turning dominoes around as they try solving the problems.

Set comprises 14 A4 double-sided cards.



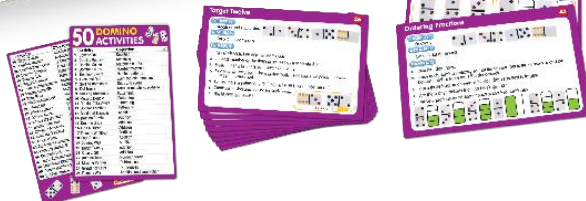
## 50 DOMINO ACTIVITY CARDS

**JL339 Set of 50 Cards**



Boxed for simple storage and reference

Contents card included



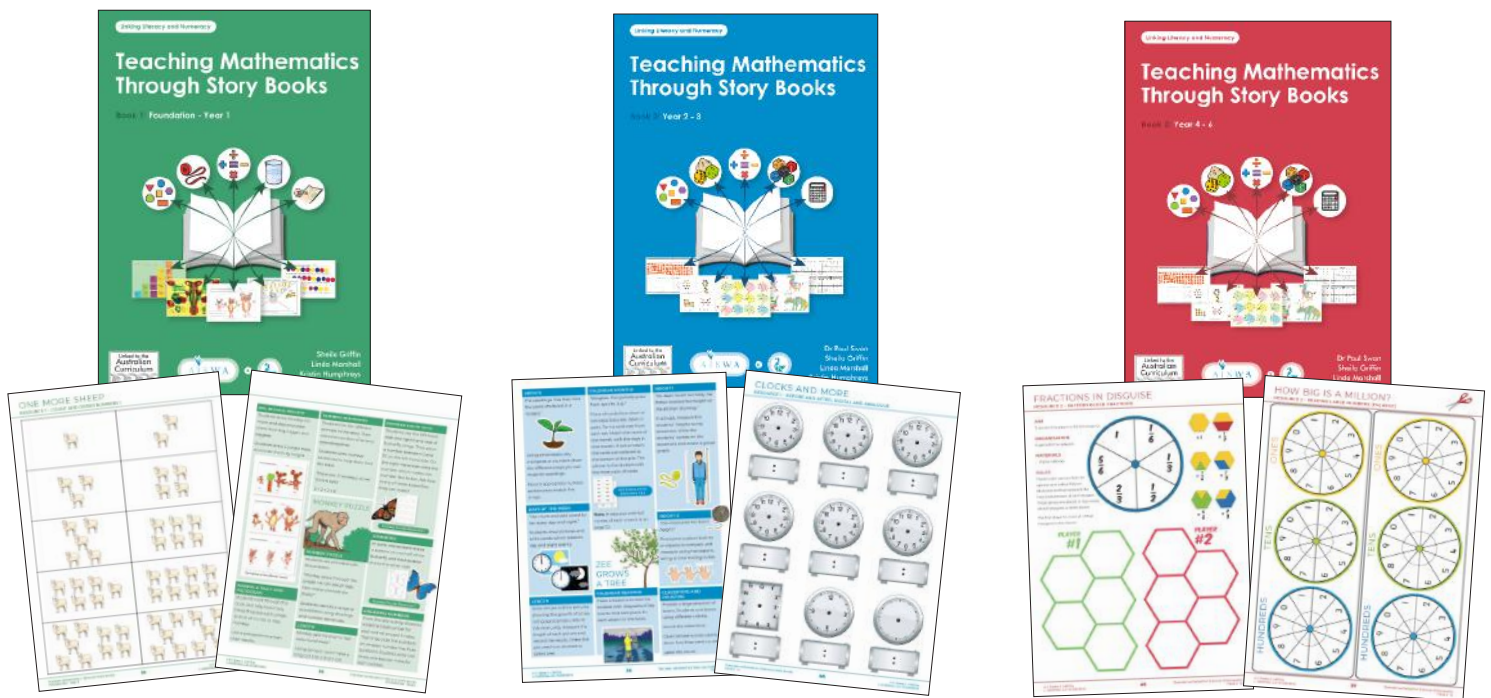
## Teaching Maths through Story Books

### BOOK 1 (F-Y1) DPS1051

### BOOK 2 (Y2-Y3) DPS1052

### BOOK 3 (Y4-Y6) DPS1053

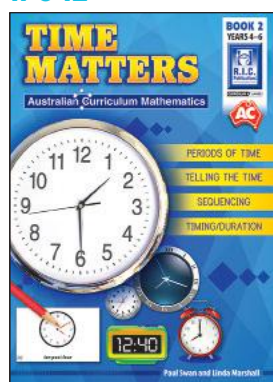
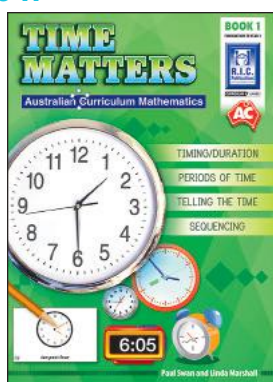
Children's story books are a fantastic tool in every early childhood teacher's toolbox. Teaching Mathematics through Story Books include copiable resources to make using activities a breeze. Each story book is given multiple mathematical activity options.



## Time

### TIME MATTERS 1: FOUNDATION TO YR3 1P041

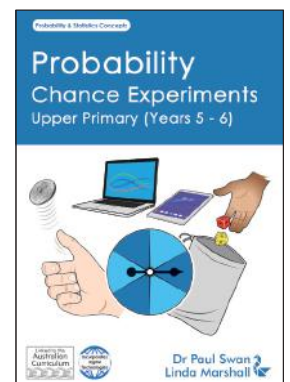
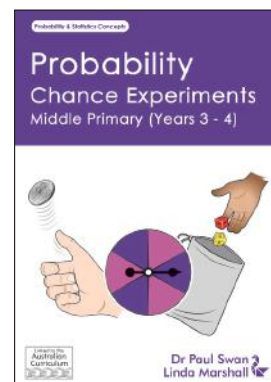
### TIME MATTERS 2: YR 4 TO YR 6 1P042



Teachers are given the background knowledge and support required to help students understand complex time concepts such as time zones, elapsed time, time lines and the role of time in everyday life such as the reading and interpretation of timetables.

## Probability

### PROBABILITY CHANCE EXPERIMENTS MIDDLE PRIMARY UPPER PRIMARY DPS1042 DPS1043



The experiments at the start of each book are designed for collecting of data, drawing up a table, making predictions and performing trials. As the book progresses the experiments become more involved and students have to design their own tables and decide about how to carry out the experiments.

**For our full range of resources, please visit**  
**[abacused.com.au](http://abacused.com.au)**



## Check The Clues

### CHECK THE CLUES

By Dr Paul Swan & David Dunstan

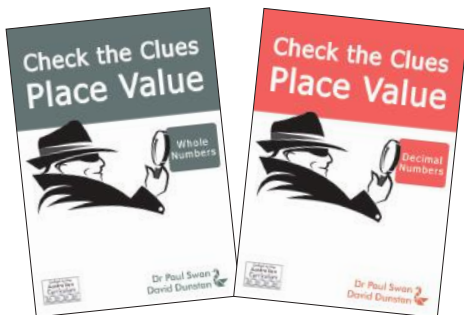
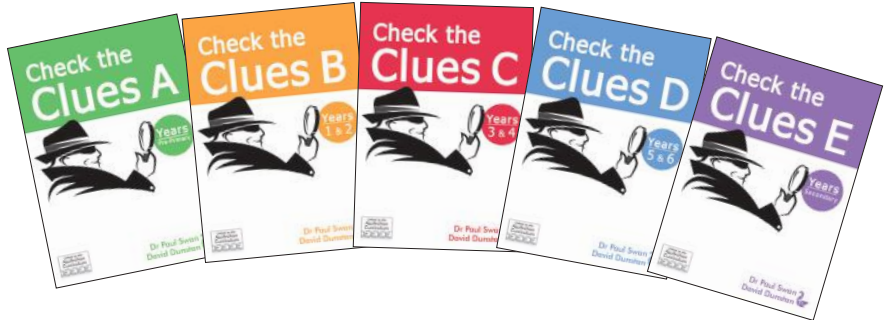
- Read the clues to the group
- Work together to devise the plan
- Solve the problem
- Check the clues to verify the answer

DPS1008  
DPS1009  
DPS1010  
DPS1011  
DPS1012

Pre-Primary  
Years 1 & 2  
Years 3 & 4  
Years 5 & 6  
Years Secondary

**ALL TITLES FOLLOW POLYA'S PROBLEM SOLVING APPROACH**

Problem solving is an important aspect of classroom teaching. Check The Clues allows students to share their clues and strategies for solving the problem.



#### DPS1014 Whole Numbers

This book helps students build a better understanding of solving word questions, while at the same time improving their concept of place value.

#### DPS1013 Decimals

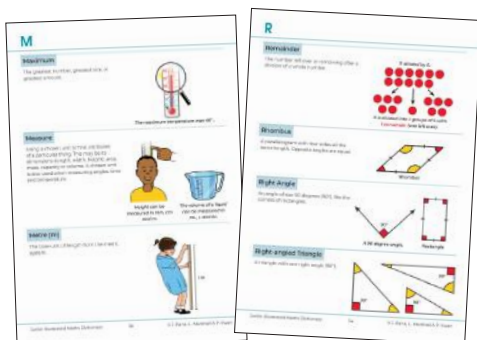
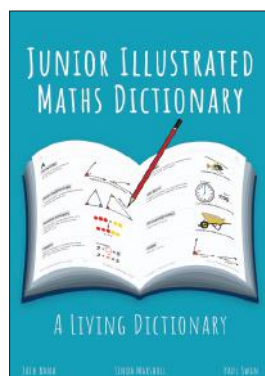
Extends the understanding of place value from one decimal place (tenths), two decimal places (hundredths), to three decimal places (thousandths).

LINKED TO THE AUSTRALIAN CURRICULUM. ANSWER AND TEACHER NOTES PROVIDED

## Maths Dictionary

### JUNIOR ILLUSTRATED MATHS DICTIONARY DPS1026

The book is a very useful reference for both teachers and parents, but it is primarily intended for children to use individually in Years 1 – 4. Each word is clarified with engaging illustrations.



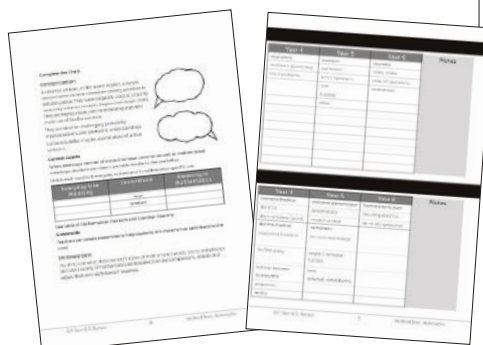
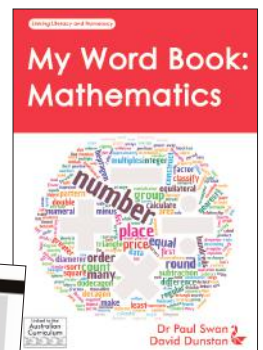
## Word Book

### MY WORD BOOK: MATHEMATICS BY DR PAUL SWAN AND DAVID DUNSTAN

#### DPS1033

A comprehensive listing of mathematical language for Australian schools

- The vocabulary lists cover years F-6 and NAPLAN words to Yr 7 and more...



## Rainbow Fractions

Rainbow Fractions is a system where fractions/ decimals/ percentages are consistently represented by particular colours.

- Red = 1 • Pink =  $\frac{1}{2}$  • Orange =  $\frac{1}{3}$  • Yellow =  $\frac{1}{4}$  • Green =  $\frac{1}{5}$
- Teal =  $\frac{1}{6}$  • Blue =  $\frac{1}{8}$  • Purple =  $\frac{1}{10}$  • Black  $\frac{1}{12}$

The same colours apply to the decimal and percentage equivalents.

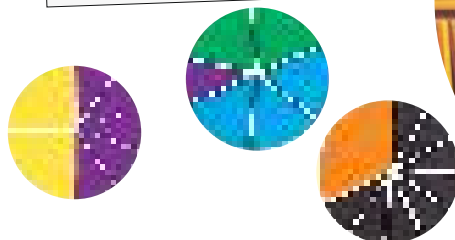
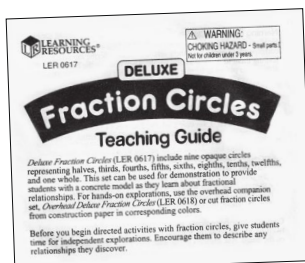
### FRACTION TOWER EQUIVALENCY CUBES 1D007

Tower measures  
20mm x 120mm



Set of 51 colour-coded cubes. The interlocking cubes provide a visual representation of equivalences. Activity guide included with the set of cubes.

### DELUXE RAINBOW FRACTION® CIRCLES 1D003 51 pieces



Circles are 89mm diameter. Colour-coded to correspond with all Rainbow Fraction® products. Set includes 9 circles.

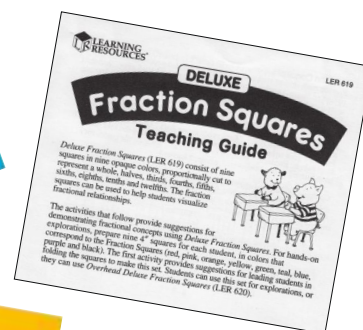
### RAINBOW FRACTION® TILES 1D005

Set of 51 colour-coded proportional plastic pieces represents a whole,  $\frac{1}{2}$ ,  $\frac{1}{3}$ ,  $\frac{1}{4}$ ,  $\frac{1}{5}$ ,  $\frac{1}{6}$ ,  $\frac{1}{8}$ ,  $\frac{1}{10}$  and  $\frac{1}{12}$ . Includes plastic tray, teachers guide and



Tray measures  
235mm x 215mm

### DELUXE RAINBOW FRACTION® SQUARES 1D004 51 pieces



Dimensions w x h (mm)  
101 x 101

Help your class visualise fraction concepts using this set of 51 fraction square pieces.



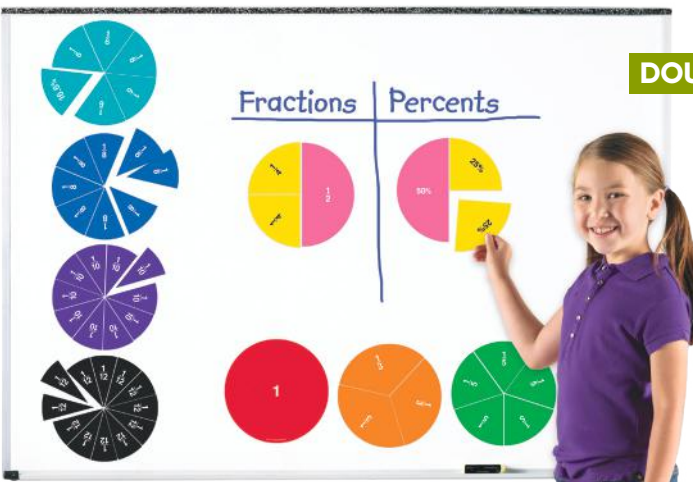
## Rainbow Fractions

### DOUBLE-SIDED MAGNETIC FRACTION CIRCLES

**1D013**      **51 pieces**

Labelled with fractions on one side and percentages on the reverse. Includes 9 circles (1 whole,  $\frac{1}{2}$ ,  $\frac{1}{3}$ ,  $\frac{1}{4}$ ,  $\frac{1}{5}$ ,  $\frac{1}{6}$ ,  $\frac{1}{8}$ ,  $\frac{1}{10}$ ,  $\frac{1}{12}$ ) and activity guide.

• **Circle: 184mm diameter**

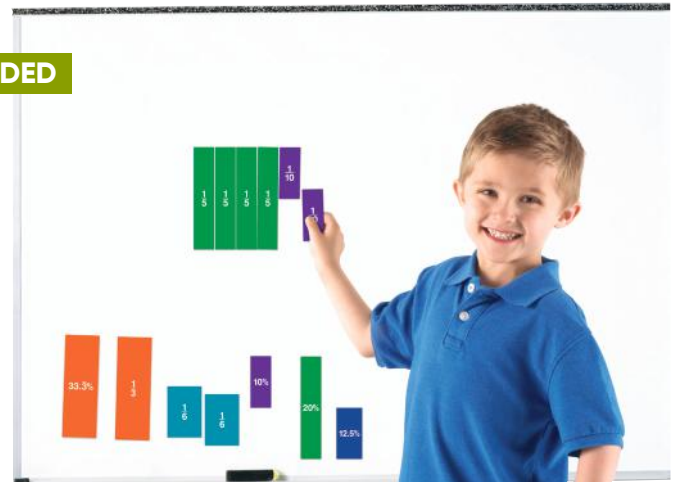


### DOUBLE-SIDED MAGNETIC FRACTION SQUARES

**1D020**      **51 pieces**

Includes 1 whole,  $\frac{1}{2}$ ,  $\frac{1}{3}$ ,  $\frac{1}{4}$ ,  $\frac{1}{5}$ ,  $\frac{1}{6}$ ,  $\frac{1}{8}$ ,  $\frac{1}{10}$ ,  $\frac{1}{12}$ .

• **Whole square: 165mm L x 165mm H**



### RAINBOW FRACTION MEASURING CUPS

VISUAL TEACHING OF VOLUME AND FRACTIONS

**1D021**      **Set of 4**  
**1D022**      **Set of 9 with stand**



Our Rainbow Fraction Measuring Cups provide an unique 3D representation that helps connect volume and fractions.

Includes Getting Started Guide.



Set of 9 includes:

- one whole
- $\frac{1}{2}$
- $\frac{1}{3}$
- $\frac{1}{4}$
- $\frac{1}{5}$
- $\frac{1}{6}$
- $\frac{1}{8}$
- $\frac{1}{10}$
- $\frac{1}{12}$

Set of 4 includes:

- one whole
- $\frac{1}{2}$
- $\frac{1}{3}$
- $\frac{1}{4}$



**JL610**      **78 pieces**

## 1D107

- 1x deluxe rainbow fraction circles
- 1x deluxe rainbow fraction squares
- 1x rainbow fraction tiles
- 1x fraction tower equivalency cubes
- 1x fraction dominoes
- 1x multiple representation fraction dice (16)
- 1x double-sided magnetic fraction circles
- 1x fraction flip stand
- 1x fraction dice (60)
- 1x pegs fraction line
- 1x rainbow fraction measuring cups (4)



**1N121**      **24 pieces**

A young boy with short dark hair, wearing a red polo shirt, is smiling and holding a slice of pizza. He is surrounded by six whole pizzas with various toppings: pepperoni, mushrooms, green peppers, and others. The scene is set against a plain white background.

**Dimensions w x h (mm)**  
**200 x 200**

## JL454 Double-Sided Flip Stand

Fraction      Name      Shape      Animals



## 1E104

1E110



## 150mm DOUBLE-SIDED GEOBOARD

**1M200-6**  
**1M200-30**

**Set of 6 - assorted colours**  
**Class set of 30**

These colourful double-sided 150mm square geoboards feature a 24-pin circular array on one side and a 5 x 5 pin grid array on the other. Each set includes 6 colours and a pack of 120 elastic bands.

**Supporting book**

**DPS1025**

**Dimensions w x h (mm)**  
**150 x 150**



**CLASS  
SETS ARE  
PACKED IN  
GRATNELLS  
TRAY**



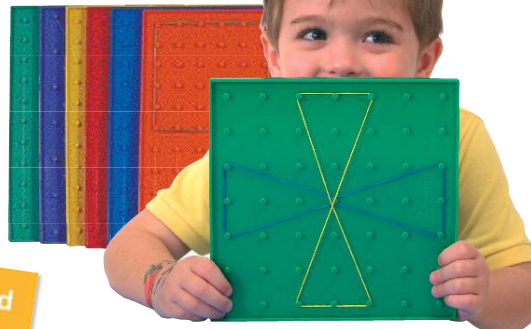
## 230mm DOUBLE-SIDED GEOBOARD

**1M207-6**  
**1M207-30**

**Set of 6 - assorted colours**  
**Class set of 30**

Double-sided featuring:

- 11 x 11 pin grid array
- 11 x 11 triangular pin array
- 6x colours
- 120x elastic bands



**Dimensions w x h (mm)**  
**230 x 230**

**Supporting book**

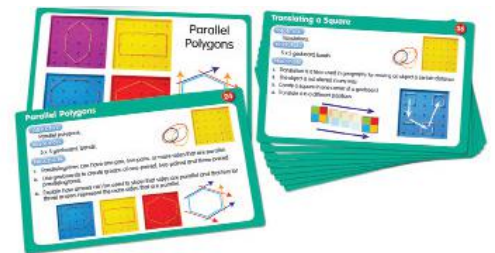
**DPS1025**



## 50 GEOBOARD ACTIVITY CARDS

**JL342**

**Set of 50 Cards**



**Dimensions w x h (mm)**  
**180 x 115**

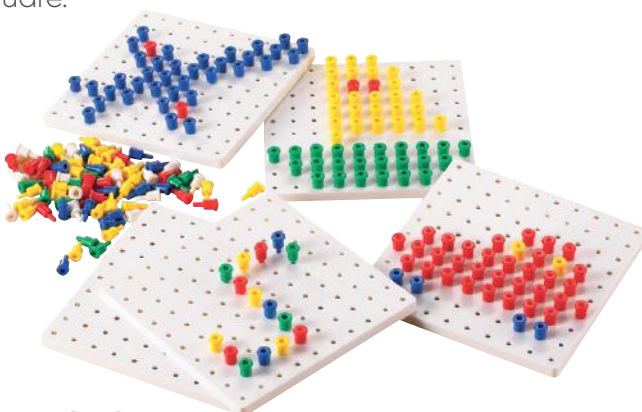
## PEGS AND PEGBOARDS

**1B328**

1000 brightly coloured pegs and 5 white baseboards measuring 160mm square.

Colours:

- Blue
- Green
- White
- Red
- Yellow



**Dimensions w x h (mm)**  
**160 x 160**

## GEO PEGS AND PEGBOARD

**1B320**

- 36x stackable giant pegs
- 6x bright colours
- 3x shapes
- 1x 210mm square base board.



**Dimensions w x h (mm)**  
**210 x 210**

## Wood

**1C001-5 BOX OF 5000 WOOD UNITS**



**CUBE (1)**  
1C004



**FLATS (10)**  
1C003



**LONGS (100)**  
1C002



**UNITS (1000)**  
1C001

## Plastic



**CUBE (1)**  
1C024



**FLATS (10)**  
1C023



**LONGS (100)**  
1C022



**UNITS (1000)**  
1C021



### MAB GROUP SETS

- 500x units (in drawstring bag)
- 50x longs (in drawstring bag)
- 20x flats
- 2x cubes
- A3 place value mat



**1C015 WOOD**



**1C014**

**PLASTIC**



### MAB CLASS SETS

- 1000x units (in drawstring bag)
- 100x longs (in drawstring bag)
- 50x flats
- 5x cubes
- A3 place value mat
- Transparent cube
- Base ten blocks book



**1C017 WOOD**

**1C027**

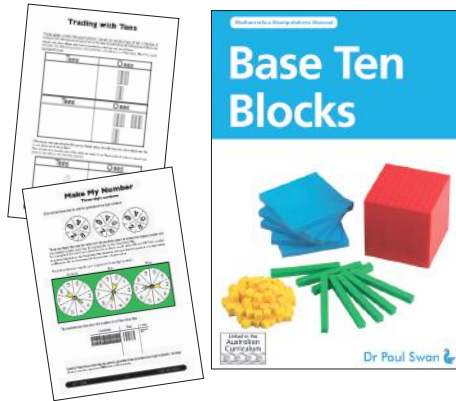
**PLASTIC**



## BASE TEN BLOCKS

DPS1002

Base Ten Blocks starts with bundling sticks, progressing through trading and calculating and even percentages.



## 50 BASE TEN ACTIVITY CARDS

JL326 Set of 50 Cards

Topics: Counting, subitizing, problem solving, grouping, place value, estimation, the 4 operations, trading, remainders, prime numbers, volume, surface area, percentages and decimals.



Dimensions w x h (mm)  
180 x 115

## COLOURED STUDENT MAB SET

1C025

The colours help emphasise the base ten nature of the number system.

- 100x units – yellow
- 10x longs – green
- 10x flats – blue
- 1x cube – red

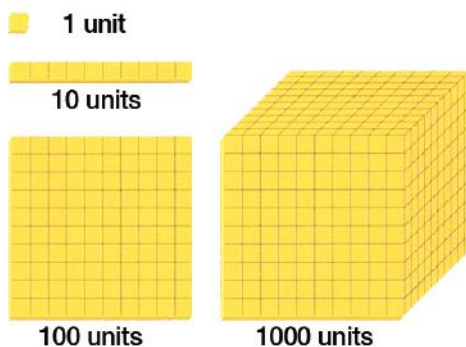
Packaged in a plastic container.



ALSO IDEAL FOR HOMELEARNING

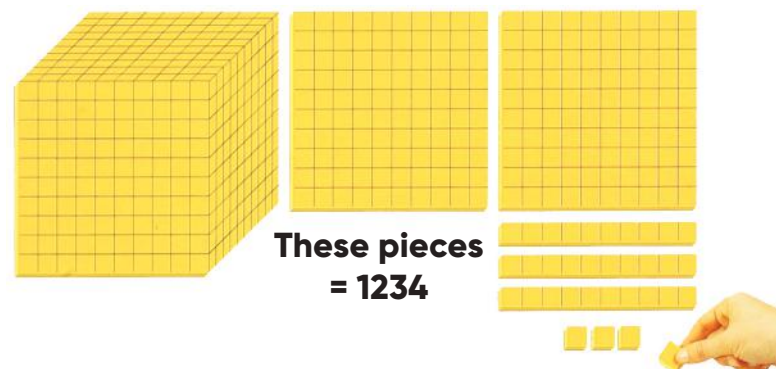
## Magnetic MAB

### FOAM MAGNETIC BASE 10 SET



ACTUAL SIZE OF ONE UNIT IS 19MM SQUARE

The magnetic pieces are bright yellow and large enough to be seen by an entire class, or they may be used by students in small groups to explain their thinking. The lines are clearly marked and the 3D effect on the large cube has to be seen to be believed!



These pieces  
= 1234

1C008 Foam Magnetic Base 10 Set



Soft, bendable  
and durable!

The set includes 121 pieces:

- 100x units
- 10x longs
- 10x flats
- 1x cube

The kits have been designed by dr paul swan around a base set of versatile materials, which can be used for a wide range of activities.

Ideas have been provided to gain the most from these materials and there are plenty of supplementary books and videos available outlining their use.



= Video available on Abacus Educational Suppliers YouTube channel

In addition, materials appropriate to the Curriculum requirements for the Year Levels have been added to tailor the kits to the appropriate Year Level. Supplementary notes have been provided in order to gain the most from these materials.

## MATHS CLASS KIT - FOUNDATION

1P601

- 1000x Counters (4 colours)
- 8x School Friendly Cards
- 1x School Friendly Jumbo Cards
- 1x 6's and 10's Dice Set
- 3x Jumbo PVC Dice
- 1x Bead Strings (20 bead strings and 15 strings 10mm)
- 1x Dominoes (Set of 168)
- 1x Drawstring bag
- 1x Dr Paul Swan Early Mathematical Experiences book
- 2x Pocket Dice
- 1x Primary Bucket Balance
- 1x Rainbow Recorder
- 3x Ten Frame Tray and Counters (Set of 4)
- 2x Ticker Tape (9 single rolls)
- 1x Spinner Pack (10 spinners and 10 cards)
- 1x Dr Paul Swan's Kits Manual



## MATHS CLASS KIT - YEAR 1 AND YEAR 2

1P602

- 1000x Counters (4 colours)
- 8x School Friendly Cards
- 1x School Friendly Jumbo Cards
- 1x 6's and 10's Dice Set
- 3x Jumbo PVC Dice
- 1x Bead Strings
- 1x Wooden Dominoes (Set of 168)
- 1x Drawstring bag
- 2x Geared Student Clocks (Set of 6)
- 1x Money Set (Wallet of 100)
- 1x Primary Bucket Balance
- 1x Spinners Pack (10 spinners and 10 sample cards)
- 3x Ten Frame Tray & Counters (Set of 4)
- 2 x Ticker Tape (9 single rolls)
- 1x Dr Paul Swan's Kits Manual





Enough materials have been included so that the teacher may complete:

- Whole class activities
- Group activities
- Paired activities

A 24 page manual is included in every kit. The manual contains a wide range of activities designed to maximise usage of the kit materials. The Australian Curriculum links associated with the materials have been listed but these are general in nature and will depend on the exact use that is made of the materials.

## MATHS CLASS KIT - YEAR 3 AND 4 1P603

- 1000x Counters (4 colours)
- 8x School Friendly Playing Cards
- 1x School Friendly Jumbo Playing Cards
- 1x 6's and 10's Dice Set
- 3x Jumbo PVC Dice
- 8x Combo Cards
- 10x Whiteboard Foam Erasers
- 10x Measuring Tapes
- 1x Multispin Game
- 10x Black Fine Whiteboard Pens
- 10x Suction Spinners
- 1x Money Set
- 1x 12 Hr Write On/Wipe Off Demo Clock
- 15x 12 Hr Write On/Wipe Off Student Clocks
- 10x Write 'N' Wipe Pockets
- 1x Dr Paul Swan's Kits Manual
- 1x Write 'N' Wipe Pockets Manual



## MATHS CLASS KIT - YEAR 5 AND 6 1P604



- 1000x Counters (4 colours)
- 8x School Friendly Playing Cards
- 1x School Friendly Jumbo Playing Cards
- 1x 6's and 10's Dice Set
- 3x Jumbo PVC Dice
- 8x Rowco Cards
- 20x Suction Spinners
- 10x Measuring Tapes
- 1x 12 Hr Write-on/wipe off demo clock
- 15x 12 Hr Write-on/wipe off student clocks
- 20x Write 'N' Wipe Pockets
- 20x Whiteboard Pens
- 20x Whiteboard Foam Erasers
- 1x Dr Paul Swan's Kits Manual
- 1x Write 'N' Wipe Pockets Manual

# MATHS ON THE MOVE

## Trolleys for the classroom



**1S015-L** Lower Primary  
Maths Trolley (K- Year 2)



**1S015-M** Middle Primary  
Maths Trolley (Year 3-4)



**1S015-U** Upper Primary  
maths Trolley (Year 5-6)

### LOWER, MIDDLE, AND UPPER MATHS TROLLEYS

- The lower, middle, and upper primary school trolleys were designed by Dr Paul Swan to cater for the everyday teaching of mathematics.
- Each kit caters to a different area of numeracy and provides students with the necessary equipment to advance their learning.
- Many of the kits are supported by manuals written by Dr Paul Swan.
- These mobile storage kits can be easily moved around central learning areas
- Trolleys can be customised to suit your personal needs.
- Also individual kits can be purchased separately

Please contact Abacus Educational Suppliers for more details.

For our full range of trolleys, please visit  
**[abacused.com.au](http://abacused.com.au)**



LOWER TROLLEY	MIDDLE TROLLEY	UPPER TROLLEY
<b>1S030</b> <b>ULTIMATE MATHS MANIPULATIVES TRAY</b> 	<b>1S030</b> <b>ULTIMATE MATHS MANIPULATIVES TRAY</b> 	<b>1S030</b> <b>ULTIMATE MATHS MANIPULATIVES TRAY</b> 
<b>1C039</b> <b>TEN FRAMES CLASS SET</b> 	<b>1C320</b> <b>BASIC FACTS KIT</b> 	<b>1C320</b> <b>BASIC FACTS KIT</b> 
<b>1C264</b> <b>BEAD STRINGS CLASS SET</b> 	<b>1E452-M</b> <b>PROBABILITY KIT - MIDDLE</b> 	<b>1E452-U</b> <b>PROBABILITY KIT - UPPER</b> 
<b>1F115</b> <b>COINS AND NOTES TRAY</b> 	<b>1F115</b> <b>COINS AND NOTES TRAY</b> 	<b>1D108</b> <b>ESSENTIAL FRACTION KIT</b> 
<b>1B215</b> <b>THEMED COUNTERS KIT</b> 	<b>1G211</b> <b>MINI LENGTH KIT</b> 	<b>1G211</b> <b>MINI LENGTH KIT</b> 
<b>1E200</b> <b>PVC DICE KIT</b> 	<b>1C014</b> <b>MAB PLASTIC GROUP SET</b> 	<b>1C014</b> <b>MAB PLASTIC GROUP SET</b> 
<b>1J056</b> <b>JUNIOR TIME KIT</b> 	<b>1H202</b> <b>MINI VOLUME KIT</b> 	<b>1H202</b> <b>MINI VOLUME KIT</b> 
<b>1L122</b> <b>UNILINK® CUBES 2CM GROUP SET</b> 	<b>1L109</b> <b>INTERLOCKING - 2CM PLASTIC CUBES GROUP SET</b> 	<b>1L109</b> <b>INTERLOCKING - 2CM PLASTIC CUBES GROUP SET</b> 
<b>1M103</b> <b>PATTERN BLOCKS TRAY</b> 	<b>1L021</b> <b>2D/3D SHAPES KIT</b> 	<b>1L021</b> <b>2D/3D SHAPES KIT</b> 
<b>1N046</b> <b>BARRIER GAMES KIT</b> 	<b>1N046</b> <b>BARRIER GAMES KIT</b> 	<b>1N046</b> <b>BARRIER GAMES KIT</b> 

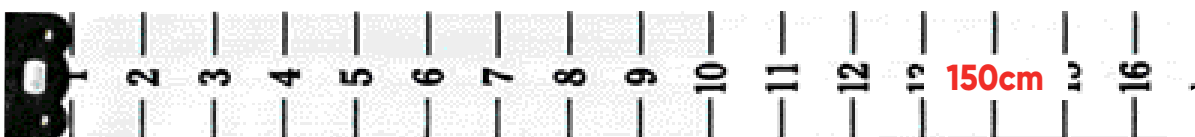
## 1.5m ALL METRIC TAPE MEASURE

**2P082** Each  
**2P082-10** Packet of 10  
**2P082-30** Class set of 30

**FRONT – actual size** (Colour change every 10cm) **150cm L x 2cm W**



**REVERSE – actual size** **150cm L x 2cm W**



**EXCLUSIVE TO ABACUS**

## 5m TAPE MEASURE

**3A029** Each  
**3A029-10** Box of 10

5m x 19mm  
 measuring tape,  
 with blade lock.



## 10m FIBREGLASS TAPE MEASURE

**1G004** Each  
**1G004-10** Box of 10

- 10m x 13mm
- Vinyl coating
- Long-lasting
- Water resistant
- Easy to read markings on both sides



## 30m CASED TAPE MEASURE

**1G002** **30m**

This easy wind-up tape  
 is clearly marked in  
 mm and cm. Durable  
 casing for years of use.



## STRING - TWINE

**2P081**  
**75m ball**



## ROPE

**2P163**  
**100m spool**



## MINI LENGTH KIT

**1G211**

- 1x Fibreglass tape measure, 10m x 13mm
- 27x Rolls of ticker tape, 15mm 10m
- 1x Trundle wheel – packed separately, L 430mm x W 320mm x H 60mm
- 10x Tape measure 1.5m
- 3x Tape measure 5m
- 6x Transparent metre rulers
- 1x Roll of string 75m
- 1x Shallow Grasnells Tray with lid





## TRUNDLE WHEEL - WITH COUNTER

**1G200** Each  
**1G200-12** Set of 12

Our lightweight trundle wheel makes measuring long distances easy with its non-slip rubber tyre, its multiple adjustment length handle (adjusts to four different lengths) and its optional counter which can also be reset.



Easy adjustable handle  
for 4 different lengths

Resettable counter

## TICKER TAPE

**1G005**  
Packet of 54

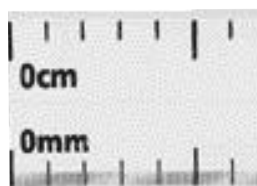
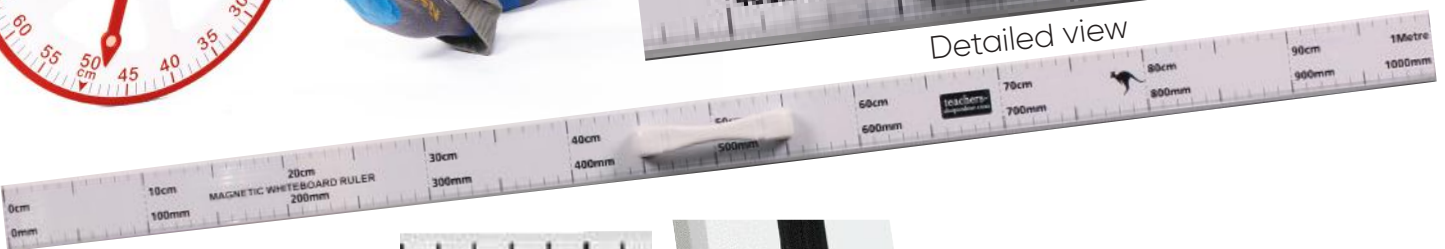


- Measure around parts of body
- 10mm L x 15mm W

## MAGNETIC METRE RULER

**1Q178** Each  
**1Q178-4** Set of 4  
**1Q178-8** Set of 8  
**1Q178-30** Set of 30

- For use on whiteboards
- Magnetic backing prevents slipping
- Shows the connection between cm and mm
- Bevelled edges prevent pen smudge
- 1000mm x 50mm x 10mm



**YOU CAN DRAW STRAIGHT LINES ON YOUR WHITEBOARD WITHOUT RULER SLIPPING**

## 1G107

Transparent and flexible, these rulers can be used as number lines as well as for measuring contours and drawing straight lines. 6 clearly marked rulers in 3 colours. 1m x 50mm.



# 1H150

Students join metre long sticks to form a cube—learning about vertices faces and edges along the way. Students will also learn about volume and cubic measure.



**Take a centicube and ask “Will a million of these fit in here? See how many children can fit inside the cube. Use newspaper to create 1m x 1m squares and cover the cube.**

# 1G210

-



## LABORATORY IMMERSION THERMOMETER

**2P084** Each  
**2P084-10** Box of 10

- Calibrated  $-10^{\circ}\text{C}$  to  $110^{\circ}\text{C}$ . A plastic top connector ensures safe immersion.

Stored in a plastic case.

**Dimensions w x h (mm)**  
**5 x 295**

**Beakers not included**



## THERMOMETERS CLASS SET

**2P085**

- 4x Classroom thermometer
- 1x Digital dual temperature thermometer
- 10x Boiling point thermometer
- 1x Laboratory immersion thermometer
- Grasnells storage tray with lid



**Grasnells**  
SHALLOW Tray

## DIGITAL PROBE THERMOMETERS

**2J001**

- Wide range temperature, from  $-50^{\circ}\text{C}$  to  $+300^{\circ}\text{C}$  ( $-58^{\circ}\text{F}$  to  $+572^{\circ}\text{F}$ )
- Accuracy of  $\pm 1^{\circ}\text{C}$  for temperatures up to  $200^{\circ}\text{C}$
- 1x AAA Battery (included)

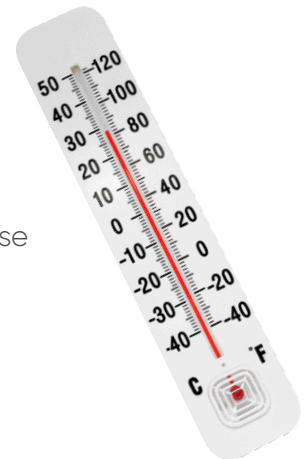


## CLASSROOM THERMOMETER

**2P083**

- Indoor and outdoor use
- Range  $-40^{\circ}\text{C}$  to  $50^{\circ}\text{C}$  and  $-40^{\circ}\text{F}$  to  $120^{\circ}\text{F}$

**Dimensions w x h (mm)**  
**75 x 380**



## BOILING POINT THERMOMETERS

**2J014**  
**Box of 10**

- Thermometers measure from  $-30^{\circ}\text{C}$  to  $120^{\circ}\text{C}$  and from  $-22^{\circ}\text{F}$  to  $240^{\circ}\text{F}$
- Made of plastic and mercury-free



## DIGITAL DUAL TEMPERATURE THERMOMETER

**2J011**

- Records both indoor and outdoor temperature (Celsius and Fahrenheit) at the same time.
- Includes a 2.7m temperature probe for recording outdoor temperature.
- Powered by 1x AAA battery (included)



## SAFETY GLASSES CLASS SET

**3A038-30** Box of 30

- Side splash protection
- No more messy hair from goggle straps
- Arms measure: 110mm
- Glasses measure: 120 x 50mm
- Packed in a sturdy Grasnells tray with lid



**Grasnells**  
DEEP Tray

## Geared Clocks

### GEARED LEARNING CLOCK

**1J012** 12-hour clock

Hidden gears in this 12-hour demonstration clock maintain correct hour and minute relationships as you demonstrate time-telling concepts with teaching guide.



Dimensions diameter  
**330mm**

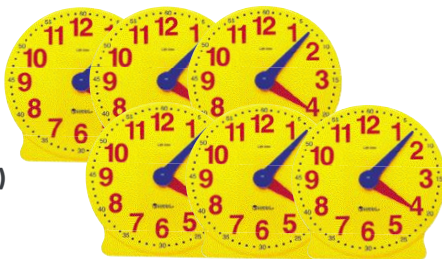


### GEARED STUDENT CLOCKS

**1J013** Set of 6

These geared clock faces are 10cm high

Dimensions w x h (mm)  
**97 x 103**



### GEARED CLOCK KIT

**1J014**

- 1x 12-hour demonstration clock (1J012)
- 12x 10cm geared student clockfaces (2x 1J013)



## Write-on Clocks

### 12-HR WRITE-ON/WIPE-OFF DEMONSTRATION CLOCK

**1J047** Each

The smooth material also makes this easy to clean after use.

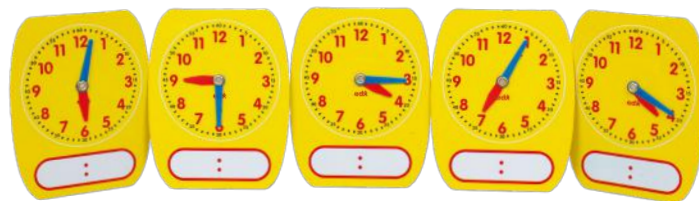
Dimensions w x h (mm)  
**310 x 240**



### 12-HR WRITE-ON/WIPE-OFF STUDENT CLOCKS

**1J046** Set of 5

- Bright yellow clockfaces with red numbers (hours 1-12) for easy read-off
- Five-minute increments are written in a smaller, dark font



Dimensions w x h (mm)  
**160 x 125**

### 12-HR WRITE-ON/WIPE-OFF DEMONSTRATION AND STUDENT CLOCK PACK

**1J048**

The clocks can be used to write the digital time in the white portion and wipe the writing away with ease.

- 1x Demonstration Clock (1J047)
- 30x Student Clocks (6x 1J046)
- 1x Wallet

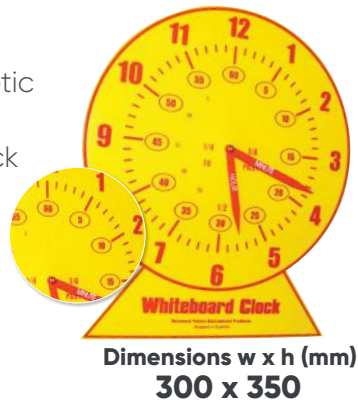




## MAGNETIC WHITEBOARD CLOCK

1J015

- Screen-printed magnetic plastic
- Painted aluminium clock hands
- Teaches reading of analogue clock face
- Designed for use on whiteboards or metal surfaces



## MAGNETIC TIME ACTIVITY SET

1J038

- Demonstration size
- Magnetic, geared clock hands
- Short hand is 63.5mm
- Minute hand is 280mm
- Comes with 12 EVA foam magnetic numbers (approx size is 76mm circle)
- Packaged in a box with guide



## MEASURING TIME KIT

1J055

- 1x Time flips
- 1x 50 Time activities cards
- 1x Jar of foam time dice
- 1x Geared learning clock - 12 hour
- 1x Write on/wipe off demonstration clock
- 30x Write on/wipe off student clocks
- 1x Simple stopwatch
- 1x 12hr student number line clock - set of 6
- 5x Digital timers
- Free ideas booklet to teach measurement



## TIME FLIPS

JL280

Covers both 12hr and 24hr clocks

Dimensions w x h (mm)  
**215 x 230**



## Time Trackers

### TIME TRACKER®

1J180

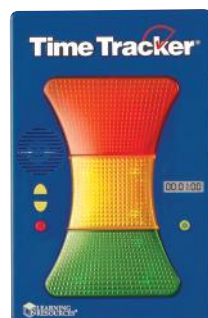


- Lighted sections alert you to time remaining
- Large easy-to-read LC display
- Displays remaining time

Dimensions w x h (mm)  
**89 x 203**

### MAGNETIC TIME TRACKER®

1J186



- Simple-to-program alarms (1 second to 24 hours)
- Adheres to any magnetic receptive surface

Dimensions w x h (mm)  
**127 x 178**

### TIME TRACKER® MINI

1J185 Ages 3-18



- Visual and auditory indicators, including a warning alarm
- Counts down until the coloured light glows and the alarm sounds

Dimensions w x h (mm)  
**82 x 121**

Sand timers are perfect for use in games, accurate timing and experiments. Also ideal for students who need to develop time limits for certain activities. Large sand timers are a great calming resources for some children. Our sand timers are colour coded, meaning those of the same colour provide the same length of time, regardless of size.

## MIDI SAND TIMERS – SET OF 5

**1J130**

Set contains one each of 30s, 1min, 3min, 5min and 10min sand timers.



Dimensions w x h (mm)  
**25 x 100**

## LARGE SAND TIMERS

**1J210** Red - 30 second  
**1J211** Green - 1 minute  
**1J213** Yellow - 3 minute

**1J214** Blue - 5 minute  
**1J216** Orange - 10 minute  
**1J218** Set of 5 (30 sec, 1 min, 3 min, 5 min, 10 min)



← 70 mm →

Dimensions w x h (mm)  
**70 x 160**

**BEST  
SELLER**

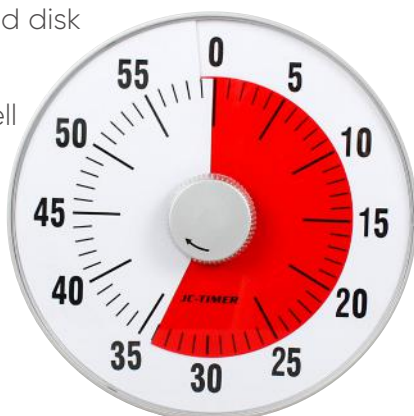
## MAGNETIC COUNTDOWN CLASSROOM TIMER

**1J187**

This 60-minute magnetic timer has a built-in stand for placing on a desk or can easily be attached to your magnetic whiteboard, file cabinet, or any other metal surface in your classroom.

The timer shows a red disk which indicates the time remaining and includes a ringing bell (3 different volumes to choose from) to clearly define when time has ended.

Requires 2x AA batteries.



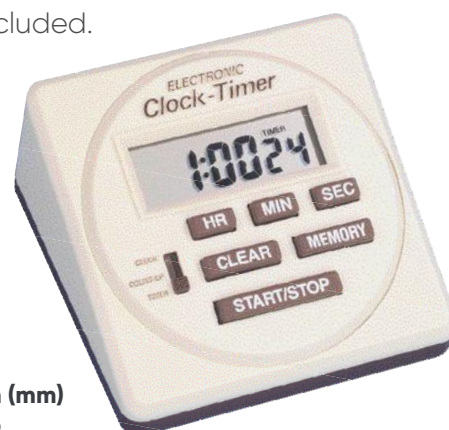
Dimensions Diameter  
**180mm**

## ELECTRONIC TIMER

**2P094** Electronic - 24 hr  
**2P094-5** Set of 5

Digital Quartz 24 hour timer and clock. Battery operated, clear LCD readout. Timer functions up to 24 hours, able to count down from preset time or count up from zero.

Battery included.



Dimensions w x h (mm)  
**85 x 85**

**BEST  
SELLER**



## Student Electronic Timer

### STUDENT ELECTRONIC TIMER

**1J127** Each  
**1J127-5** Set of 5  
**1J127-32** Class Set of 32

- The highest time this can go to is 99 minutes and 59 seconds
- Comes with a small stand that allows it to be propped up anywhere in the classroom
- On the back of the timer is a magnet that allows it to be stuck to the whiteboard
- On/off button restricts battery use
- Powered by 1x AAA battery (included)



Dimensions w x h (mm)  
**650 x 700**



## Jumbo Timer

### JUMBO TIMER

**1J124**

Large clear digital display, times up or down in 1 second increments. Integral stand and magnet mount, on/off switch.

- Requires 1x AAA battery
- Size of display: 75 x 53mm

Dimensions w x h (mm)  
**100 x 105**



## Stopwatches

### SIMPLE STOPWATCH

**1J151** Each  
**1J151-5** Set of 5

- Features only 3 buttons—green for go, red for stop, and yellow for clear
- Shows minutes, seconds and 1/100 seconds on an easy-to-read display
- Requires one 1.5V button-cell battery, included



Diameter  
**85mm**

### MULTI-PURPOSE STOPWATCH

**1J150** Each  
**1J150-10** Box of 10  
**1J150-30** Class Set of 30

This water-resistant digital stopwatch features a large display, times up to 30 minutes in 1/100 second, then up to 24 hours in 1/10th second, single event and split timing, month, date and day.



Dimensions w x h (mm)  
**50 x 80**



# Maths MEASURING VOLUME & CAPACITY

## MEASURING VOLUME KIT 1H201

- View thru geometric solids (set of 14)
- Graduated cylinders (set of 7)
- 3x 1L jug
- 5x Measuring spoons (set of 4)
- Measuring cups (set of 4)
- Stackable plastic beakers (set of 6)
- Litre cube
- 5x Funnels
- Free ideas booklet to teach measurement

Gratnells  
JUMBO Tray



Gratnells  
DEEP Tray



## MINI VOLUME KIT 1H202

- 5x Stackable beakers
- 5x Funnels
- 1x Measuring cups (set of four)
- 1x Measuring spoons (set of four)
- 1x Litre jug
- 3x Measuring jug (375mL)
- 3x Large pipette
- 3x Coloured measuring jugs
- 1x Gratnells Deep Tray with lid

## MEASURING CUP 2P045

250mL capacity, marked every 25mL.



## 1 LITRE JUG 1H061 Each

1H061-5  
Set of 5



## COLOURED MEASURING JUGS 1H062 Set of 3

Jugs are designed to nest inside of the largest one making storage easy. 250mL, 500mL & 1000mL, 3pcs in a set.



## 11L FOLD AWAY BUCKET 2P127



Dimensions w x h (mm)  
243 x 270



## MEASURING SPOONS

**1H060** Set of 4  
**1H060-30** Box of 30 Sets



**AUSTRALIAN STANDARD SIZE**

## STACKABLE BEAKERS

**1H011**

Made of unbreakable plastic, these stackable beakers have a capacity range of 50mL to 1000mL with clear graduations on each beaker. One each of 50, 100, 250, 500 and 1000mL.



## GRADUATED CYLINDERS

**1H019** Set of 7 **\$65.00**

Tough polypropylene cylinders in calibrations of 10mL, 25mL, 50mL, 100mL, 250mL, 500mL and 1L.



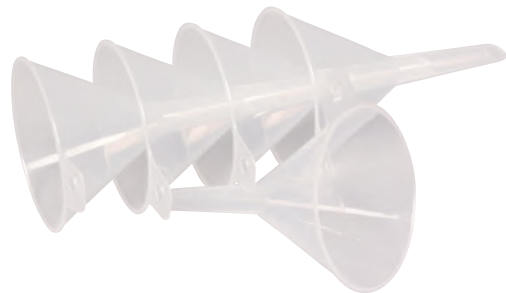
## PRIMARY SCIENCE JUMBO EYE DROPPERS

**2L011**  
Set of 6



## FUNNELS

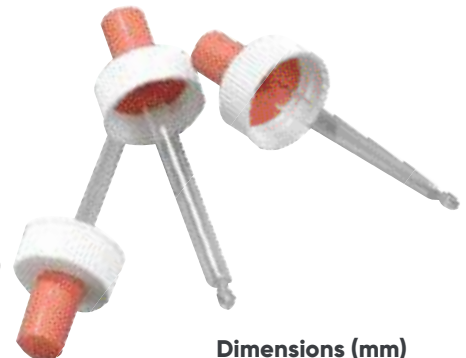
**1H156-5** 70mm - Set of 5



## EYE DROPPERS

**2P027**  
Pack of 10

**2P027-30**  
Class set of 30

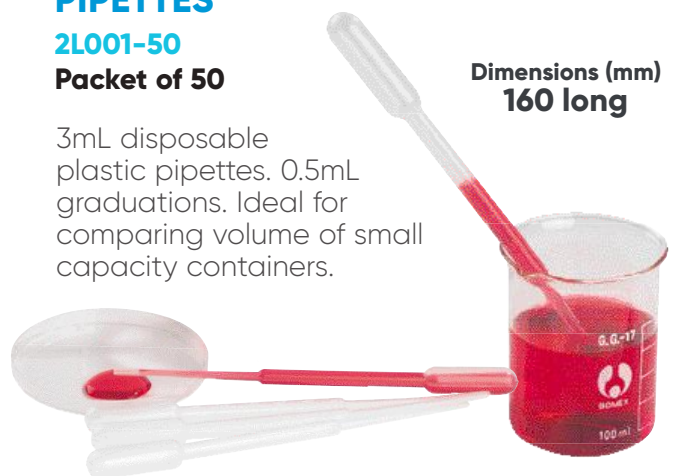


Dimensions (mm)  
**100 long**

## PIPETTES

**2L001-50**  
Packet of 50

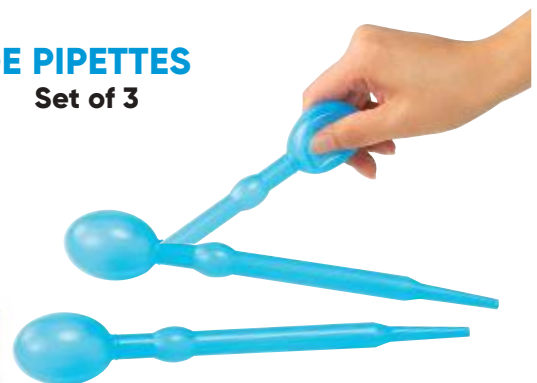
3mL disposable plastic pipettes. 0.5mL graduations. Ideal for comparing volume of small capacity containers.



Dimensions (mm)  
**160 long**

## LARGE PIPETTES

**2L005** Set of 3



Dimensions (mm)  
**220 long**

## MEASURING WEIGHT KIT 1K251

- 1x 5kg all metric kitchen scale
- 58 piece metric weight set
- 1 x 3kg digital scale
- 1x primary bucket balance
- 6x push and pull spring scales
- 1x stacking weights class set
- Free ideas booklet to teach measurement

**PREBOXED  
FOR EASY  
STORAGE**



## 58 PIECE METRIC WEIGHT SET 1K213 Set of 58

Set contains twenty each of 1g and 5g, ten 10g, four 20g, two 100g, and one each of 500g and 1000g weights. Stackable, colour-coded weights come in a plastic storage box.



## STACKING WEIGHTS CLASS SET 1K215 Set of 80



- 40x 1g
- 20x 5g
- 10x 10g
- 10x 20g
- Storage container

## DIGITAL - BATHROOM SCALE 1K114

Easy to read large digital display and is great for activities involving weighing students or items weighing up to 150kg.

- Glass surface
- Platform 300mm x 310mm
- Graduation 500g
- Battery included
- Auto cut-off, auto zero



**Dimensions w x h (mm)  
310 x 300**

## MECHANICAL - BATHROOM SCALE 1K101

- Large easy to read dial
- 1kg graduation & 130kg capacity

**Dimensions w x h (mm)  
265 x 250**





## METRIC SCALE (5kg)

**1K122** Each  
**1K122-10** Set of 10

Measure liquids and solids in removable pans. Easy to read, accurate metric/imperial scales have 5kg capacity.

Dimensions w x h (mm)  
**180 x 240**



(Counters not included)

## ELECTRONIC SCALE (3kg)

**1K108** Each  
**1K108-4** Set of 4

- Capacity 3kg
- Graduation 1g
- Clear digital display
- Tare weighing function
- Automatic power off function
- Batteries included



Dimensions w x h (mm)  
**157 x 215**

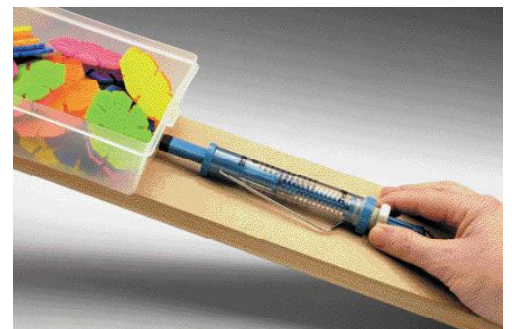
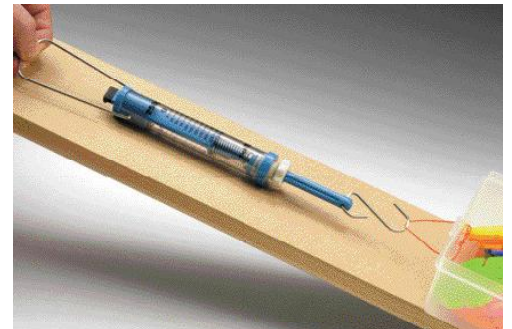
**BEST  
SELLER**

## PUSH AND PULL SPRING SCALES



Clear plastic tubes enable students to see spring action. Incorporates unique zero adjustment.

**1K115** 250g (Blue)  
**1K116** 500g (Green)  
**1K117** 1kg (Brown)  
**1K118** 2kg (Red)  
**1K119** 3kg (White)  
**1K120** 5kg (Yellow)



Dimensions w x h (mm)  
**23 x 294**

## PUSH AND PULL SPRING SCALES SET

**1K121** Box of 6

Includes one of each 250g, 500g, 1kg, 2kg, 3kg and 5kg.

**BOXED SET OF 6 ASSORTED SPRING SCALES**

## NESTING PAN BALANCE

COMPACT DESIGN FITS PERFECTLY IN TODAY'S CROWDED CLASSROOM

**1K008 Pan Balance - Set of 4**

This Nesting Pan Balance encourages children to explore measurement and weight. It features an efficient, compact design. Equivalency markings allow students to assign less than, greater than, or equal to symbols to their balance setup so they can demonstrate mass equivalency.

- Includes Getting Started Guide.
- Assembles and disassembles in 3 steps for quick and easy setup and clean-up
- 4 bright colours can be mixed or matched
- Convenient storage/ carrying base with handles



**SPACE SAVING  
STORAGE BASE!**

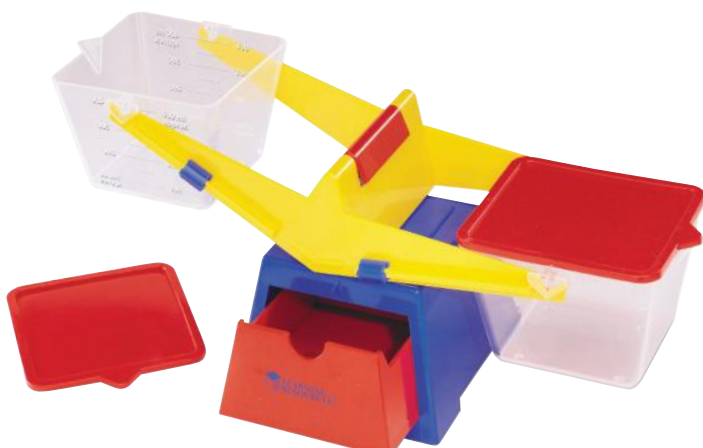
## PRIMARY BUCKET BALANCE

**1K005 Each**  
**1K005-12 Set of 12**

Removable calibrated clear buckets hold solids or up to 400ml of liquid. Easy pour spout makes measuring liquids easy.

Lids can be used as platforms and the built-in drawer is perfect for storing weights.

- 410mm x 160mm x 150mm



**BEST  
SELLER**

## PAN BALANCE

**1K007 Each**  
**1K007-15 Set of 15**



- 1x Pan Balance (with 2x 1000ml pans)
- 5x 5g masses
- 5x 10g masses
- Activity guide
- Measures L 385mm x W 280mm
- Package weighs 600g



## RIGID ACRYLIC MIRRORS

Top quality unbreakable 2.5mm thick mirrors with rounded corners.

**2P046-8** Boxed set of 8  
**2P046-30** Class set of 30



Dimensions w x h (mm)  
150 x 100



## GEOMIRRORS

See through plastic surface with special reflective qualities

**2D050** Each  
**2D050-15** Class set of 15



Dimensions w x h (mm)  
150 x 90

## FLEXIBLE PLASTIC MIRRORS

Single-sided optically accurate plastic mirrors. Each mirror is covered with a peel-off protective film. Ideal for reflective symmetry.

### FLEXIBLE MIRRORS

**2D003** Packet of 10  
**2D003-S** Box of 30  
**2D003-B** Box of 100



Dimensions w x h (mm)  
90 x 60

### FLEXIBLE MIRRORS

**2P150** Packet of 10  
**2P150-S** Box of 30  
**2P150-B** Box of 100



Dimensions w x h (mm)  
150 x 100

### FLEXIBLE PLASTIC A4 MIRROR

**2D004-5**  
Set of 5



Dimensions w x h (mm)  
210 x 295

## BIFOLD MIRRORS

A great way to teach students about shape, symmetry and geometry. Open these mirrors at right angles and create your own kaleidoscope designs.

### BIFOLD MIRRORS

**2D023**



Mirror segment measures  
200 x 140 (mm)

### TRIFOLD MIRRORS

**2D024**



**BEST  
SELLER**

## MONEY SET 1F004

- 340 coins
- Wallet of 100 notes
- Packed in a sturdy container

## COIN PACK

**1F001 Set of 340**

- 40x 5¢
- 80x 10¢
- 80x 20¢
- 40x 50¢
- 60x \$1
- 40x \$2



## COINS GALORE

**1F006 1020 coins in flat box for easy sorting**

- 180x \$1
- 120x \$2
- 120x 5¢
- 240x 10¢
- 240x 20¢
- 120x 50¢



## 50 MONEY ACTIVITIES CARDS

**JL338 Set of 50 Cards**

Topics: Coins, skip counting, trading, addition, comparison, denominations, place value, equivalence, receipts, methods of payment, addition, subtraction, giving change, multiplication, estimation, sharing, division, probability, decimals, fractions, percentages, finance, exchange rates and interest.



## JAR OF COINS

**1F005 Jar of 680**

These gold and silver coins are made to look similar to real Australian coins.

- 120x \$1
- 80x \$2
- 80x 5¢
- 160x 10¢
- 160x 20¢
- 80x 50¢



## CALCULATOR CASH REGISTER

**1F100 Solar-powered**

Fantastic working solar powered calculator cash register. Children love learning basic calculator skills with oversize buttons and big display

- W 260mm x D 240mm x H 140mm





## NOTES

1F002

Wallet of 100

- Made of rip resistant plastic.
- Depictions of historical and security information found on real money are accurately displayed.



Dimensions w x h (mm)  
135 x 55

## CLASS MONEY KIT

1F111

- 2x Money Set (coins & notes)
- 1x Money of Australia Cards
- 1x Magnetic Money Set
- 1x Mathematics and Money book (Dr Paul Swan)
- 1x 50 Money Activity Cards



## MY CLASSROOM SHOP KIT

1F114



## MONEY OF AUSTRALIA CARDS

1F009

Over 3 times larger than real money. Contains 12 sturdy laminated cards in a plastic storage wallet.



Dimensions w x h (mm)  
337 x 138

## DOUBLE-SIDED MAGNETIC MONEY SET

1F012

Double-sided magnetic money set includes 28 magnetic coins and 8 magnetic notes.

The large size (coins are four times standard size and notes are 1.5 times standard size) ensures easy viewing anywhere in the classroom and helps make demonstrations a breeze!



IMAGES MATCH OUR WALLET OF NOTES

- 1x Money Set (340 coins and 100 notes)
- 1x Calculator Cash Register
- 108x Fruit Counters
- 72x Vegetable Counters
- 1x Primary Bucket Balance
- 2x Sorting Trays
- 1x Mathematics and Money
- 1x Poster Set of 10
- 1x Ideas Booklet by Dr Paul Swan

Numero® is more than just a card game. It is an invaluable resource for maths educators. Numero® has been designed for use by students of all ages, and assists in developing understanding of numeracy concepts and problem-solving skills.

**"It encourages students to 'think outside the box' whilst developing skills in mental arithmetic and tactical thinking."**

## NUMERO

**1N330** Single Pack  
**1N331** Class Pack (15)

A Numero class pack is an excellent mental maths resource, ideal for differentiating work for all ability levels in your classroom.

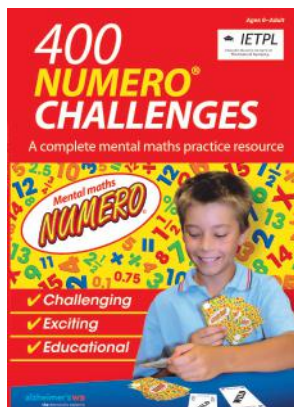


## 400 NUMERO CHALLENGES

**1N337**

A book full of Numero® challenges.

Perfect for daily or weekly use or for competition training.



## NUMERO TEACHER TIP CARDS

**1N342**

Teacher tip cards are a great supplement to the 'Golden Rules' chart.

Just add velcro or magnetic strips for board use!



## NUMERO RULES POSTER

**1N341**



Dimensions w x h (mm)  
297 x 420

## DEMONSTRATION SET

**1N339**

- A pack of giant Numero® cards (A5 size)
- Excellent for class and group demonstration





## NUMBER BALANCE

Excellent hands on equivalence tool to show children number relationships and number operations.



**1C029 Number Balance**

Balance is 650mm long and 220mm high. Includes 20 weights.

**1C028 Student – Set of 10**

Balance is 360mm long and 130mm high. Includes 20 weights

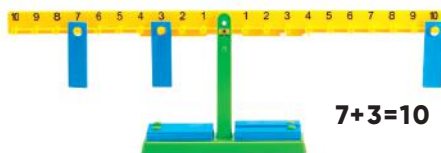
## NUMBER BALANCES CLASS SET 1C029-S

- 15x Student number balances
- 1x Demonstration number balance
- Number balance ideas booklet

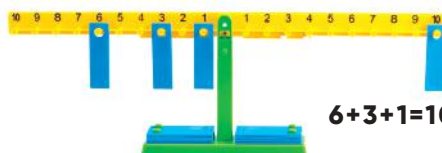


**Number Balance may be used to teach addition, subtraction, multiplication, division, fractions and simple algebra.**

### Addition



$$7+3=10$$



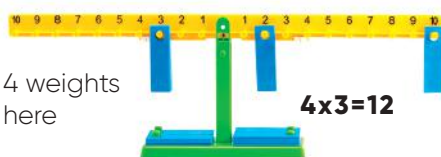
$$6+3+1=10$$

### Subtraction



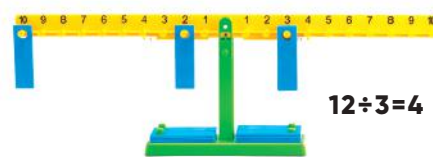
$$4+?=7$$

### Multiplication



$$4 \times 3 = 12$$

### Division



$$12 \div 3 = 4$$

### Greater than/less than



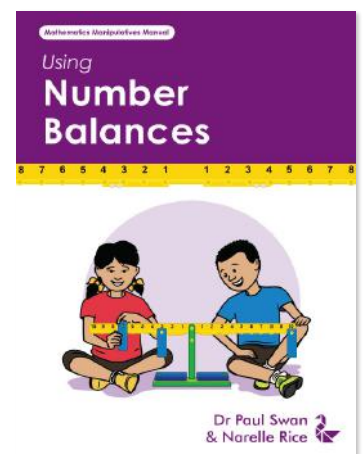
$$5 > 2$$

## USING NUMBER BALANCES

### DPS1057

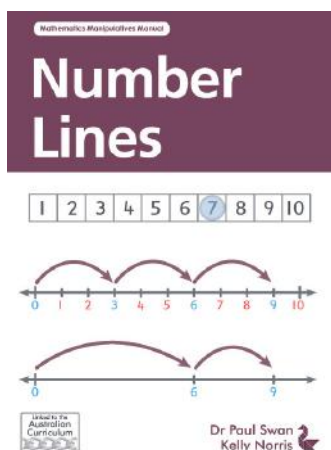
The Number Balance may be used to develop a conceptual understanding of the four operations; +, -, x and ÷. This 36-page user guide focuses on Years 2-4, with extensions for Years 5-6.

- Compare mass of objects using balance scales
- Explore the connection between addition and subtraction
- Solve problems by using number sentences for addition and subtraction
- Recall multiplication facts of two, three, five and ten and related division facts
- Explore the use of brackets and order of operations to write number sentences
- And more....



## NUMBER LINES BY DR PAUL SWAN & KELLY NORRIS DPS1035

This book is designed to help teachers make the most of number tracks and number lines to support students learn basic number concepts.



## MAGNETIC NUMBER LINE 1C215

Place along the top of your whiteboard to create a number line.  
**SUPPLIED WITH FOUR FRAMES!**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

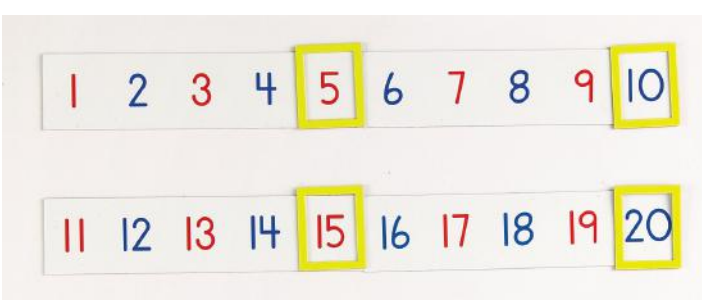
The strips come in convenient groups of five. Even numbers shown in blue and odd numbers in red. Frames may be used to show number patterns such as multiples of five (see above).



**24 MAGNETS WITH NUMBERS 1-100**

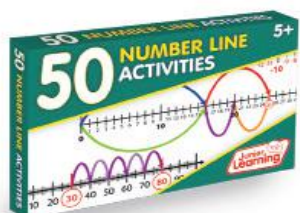
**Place the strips in the middle of your whiteboard and draw around it using your whiteboard markers.**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20



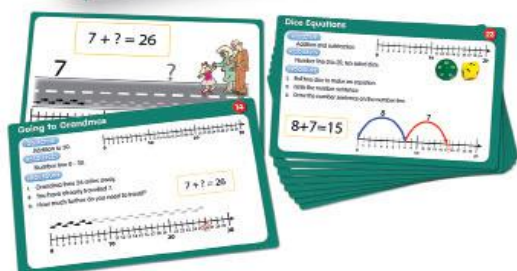
**GIANT FLOOR MAT MEASURES  
6.6m x 4.8 m**

## 50 NUMBER LINE ACTIVITY CARDS JL325 Set of 50 Cards



Double-sided activity cards for teaching maths skills using number lines.

Dimensions w x h (mm)  
**180 x 115**



## GIANT NUMBER LINE FLOOR MAT 0 - 30

**1C218 6.6m long**

- This large durable mat is numbered 0-30 and colour coded for even and odd numbers.
- Includes an activity guide



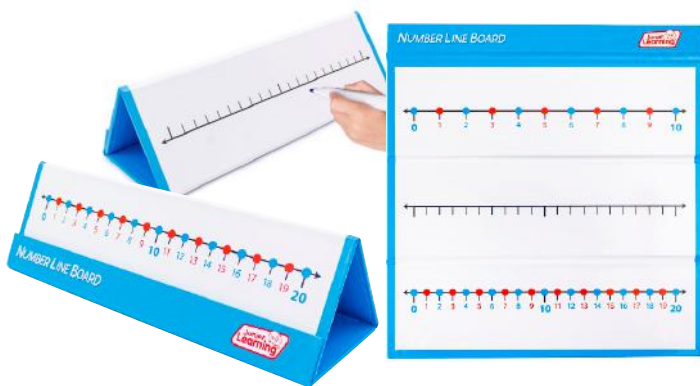


## NUMBER LINE BOARD

JL661

Demonstrate addition, subtraction and skip counting with this write and wipe Number Line Board. Use flat or connect for a pop-up magnet board. The three sides include numbers 0-10, numbers 0-20, and a blank number line.

Odd numbers appear in red, even numbers appear in blue. Measures 300mm x 190mm and magnetic board measures 305mm (L) x 305mm (H).



## MAKE YOUR OWN PEG LINE

1D019

50 blank cards made from durable wipe clean surface. Includes 15 pegs, 3m lace, pen and eraser in a sturdy storage container. Cards measure 105mm x 149mm.



## Double-sided Number Lines

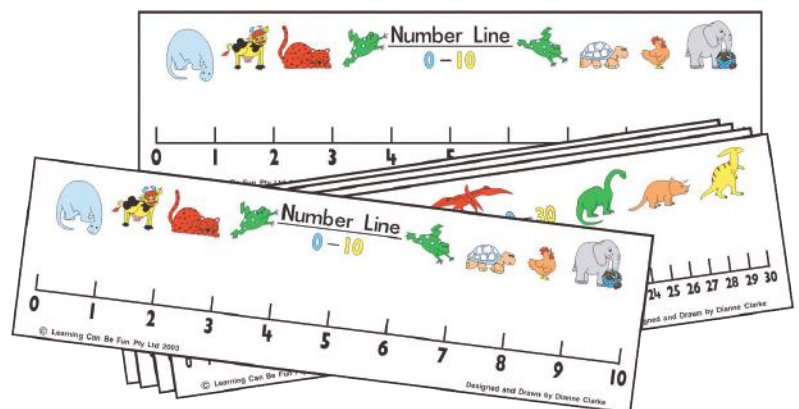
### STUDENT NUMBER LINES 0 - 30

1C211

Number Line Desk Pack (15)

Student laminated number line is double-sided, and shows the numbers 0-10 on one side, and 0-30 on the reverse.

Dimensions w x h (mm)  
330 x 100



### STUDENT NUMBER LINES DOUBLE-SIDED 0 - 100, 0 - 120

1C216

Pack of 10

Reverse 0-120 side demonstrates clearly how numbers progress after 100.

#### NUMBER LINE 0 - 100



Dimensions w x h (mm)  
500 x 100

#### NUMBER LINE 0 - 120



# Maths PATTERN BLOCKS

## PLASTIC PATTERN BLOCKS

**1M100** Jar of 250 plastic  
**1M100-12** Carton of 12



**A TRULY VERSATILE TEACHING RESOURCE**

## RAINBOW MAGNETIC PATTERN BLOCKS JL613

Comes in a handy storage box with built in magnetic board, 8 double-sided activities cards and magnetic foam pattern blocks.



## PATTERN BLOCKS CLASS SET 1M102

- 8x Plastic pattern blocks (250)
- 8x Medium drawstring bags
- 30x Student mirrors 150mm x 100mm
- 1x Pattern blocks activity cards

**Grotralls**  
JUMBO Tray



**Supporting  
Book**

## GIANT MAGNETIC PATTERN BLOCKS

**1M112** Set of 47

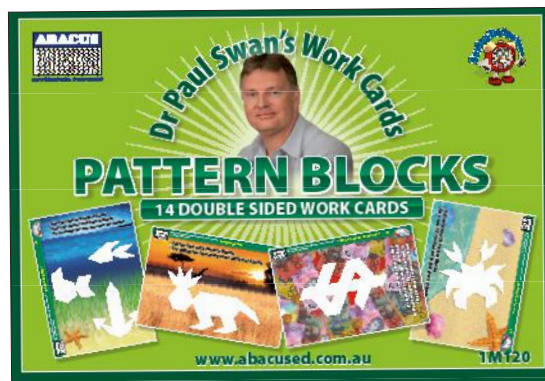
Perfect for demonstration, proportionately sized pieces are 3 times the length of standard pattern blocks on each side—and 9 times greater in total area! Largest piece (hexagon) measures 152mm.



## PATTERN BLOCKS CARDS

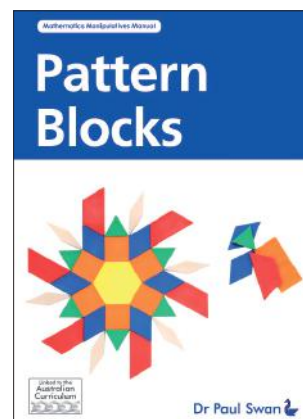
**1M120** Set of 14 A4 double-sided cards

Students explore a variety of mathematics concepts such as symmetry, fractions, algebra sequences, similarity and mathematical language.



## PATTERN BLOCKS BY DR PAUL SWAN DPS1037

This guide is packed full of ideas on how to use pattern blocks in the classroom. Teach mathematical topics such as measurement and area, geometry using symmetry, fractions, and more!





## SQUARE COLOUR TILES

**1M001** Box of 400

- 400 plastic colour tiles measuring 25mm x 25mm in 4 colours
- 5mm thick pieces are easier to pick up for smaller hands



## TRANSPARENT COLOUR TILES

**1M019** Box of 500

- 500 transparent colour tiles in 4 colours
- Tiles measure 25mm x 25mm



## PLASTIC PENTOMINOES

**1M021** Set of 60

Made by joining 5 squares, pentominoes are ideal for developing geometric reasoning. The set contains 5 sets of different coloured pentominoes.



## TANGRAMS CLASS SET

**1M011** Jar of 30 sets



## TOYING WITH TANGRAMS BOOK

**DPS1056**

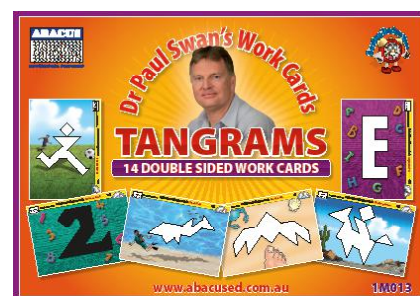
Designed to help teachers gain most from the Tangrams as a teaching tool. If the spatial concepts behind the Tangram pieces and the solving of the puzzles are made clear, then students' geometric reasoning will improve.



## TANGRAM CARDS

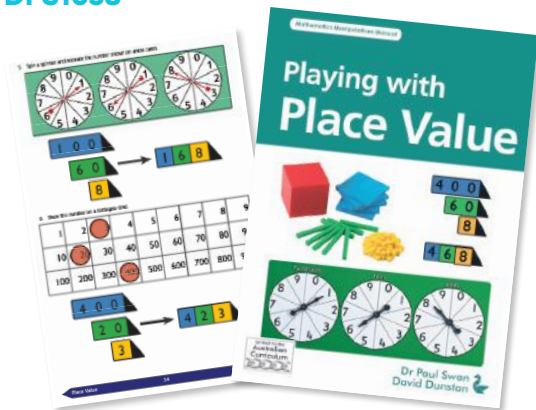
**1M013** A4 - 14 double-sided cards

- The cards have been designed to fit a standard 100mm tangram set
- 14 double-sided cards, answers and ideas

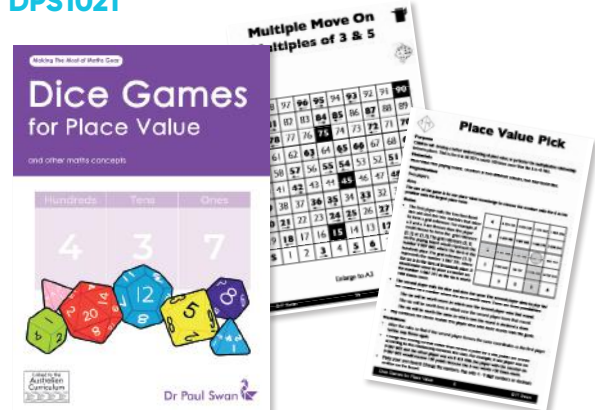


Dimensions w x h (mm)  
150 x 150

## PLAYING WITH PLACE VALUE DPS1038



## DICE GAMES FOR PLACE VALUE AND OTHER MATHS CONCEPTS DPS1021



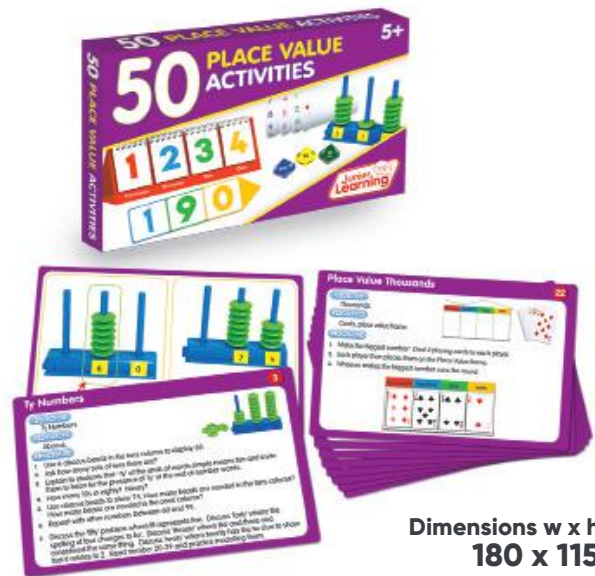
## JUMBO PLACE VALUE DICE SET 1E119

- Classroom dice set (24 dice in plastic container)
- 4x different coloured 10-sided dice representing ones, tens, hundreds and thousands
- Each dice measures 34mm



## 50 PLACE VALUE ACTIVITY CARDS JL327 Set of 50 Cards

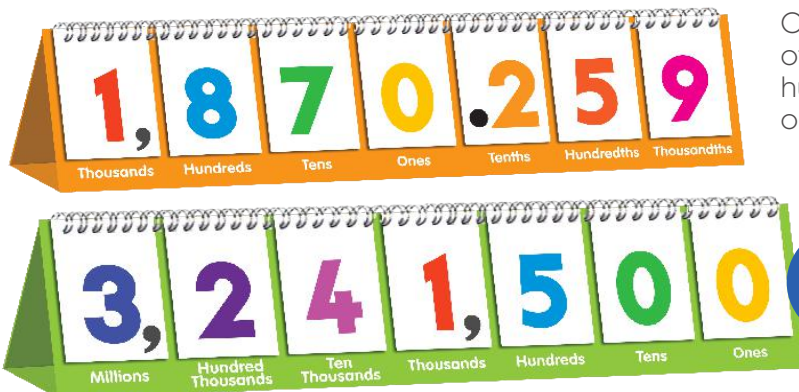
**CONTENTS CARD INCLUDED IN ALL SETS**



Dimensions w x h (mm)  
180 x 115

## ONES TO MILLIONS FLIPS JL453 Flip Stand

Teaches place value and numbers ones to millions on one side and decimals on the other. Ages 5+.



## PLACE VALUE FLIPS JL267 Double-Sided Flip Stand

- Double-sided flip stand.

On one side are numbers 0 - 1000. On the other are decimal numbers including ones to hundredths, with a symbol page for showing operations or currency.





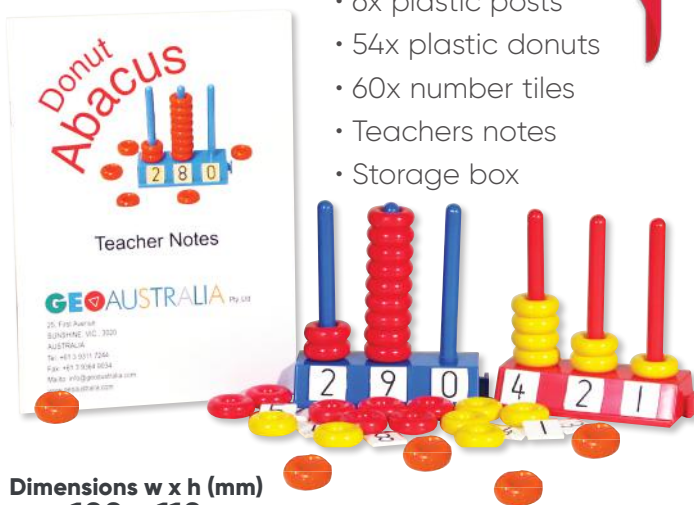
## PLACE VALUE KIT 1C251

- 1x arrow cards – whole numbers
- 1x arrow cards – decimals
- 1x bundling sticks kit in a drawstring bag
- 1x place value flips
- 1x place value dice class set
- 1x 50 Place Value activity cards
- 4x playing cards packs
- 1x donut abacus set
- 1x transparent counters 19mm (100)
- 1x dice – 6 sided dotted – Jar of 80
- 1x dice – 10 sided – Jar of 80
- 1x Dice Games for Place Value (by Dr Paul Swan)



## DONUT ABACUS SET 1C153

- 2x plastic stands
- 6x plastic posts
- 54x plastic donuts
- 60x number tiles
- Teachers notes
- Storage box



Dimensions w x h (mm)  
**100 x 110**

### CAN DOUBLE AS A BASE TEN ABACUS

At the stands base, provision is made for the display of number tiles, which indicate how many donuts there are on the post above. The 2 stands can be easily joined to represent numbers with six digits.

## RUBBER BANDS - SIZE 8 3B164

Rubber bands in a bag

No.8 size rubber bands suitable for bundles of 10 popsticks.



## POPSTICKS

- 3D012** Pack 500 - Coloured
- 3D013** Pack 500 - Plain
- 3D007** Pack 1000 - Plain



## BUNDLING STICKS KIT 1C040

### VERSATILE GROUPING AID

- 1000x Bundling sticks (100x each colour)
- Approximately 700x elastic bands
- Activity guide
- Transparent plastic storage box with clip lid
- The sticks measure L 100mm

# Maths PLAYING CARDS

The range of School Friendly Playing Cards has proven to be extremely popular as they are far more appropriate for classroom use. The cards are numbered 0-13 (No Jacks, Queens, Kings or Aces). The 4 coloured suits depict squares, rectangles, circles and triangles. Play all your favourite card games without any association with gambling.

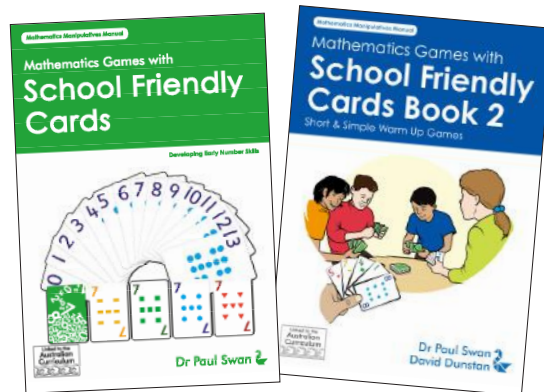
## SCHOOL FRIENDLY PLAYING CARDS

<b>1N325-8</b>	<b>Box of 8</b>
<b>1N325-12</b>	<b>Box of 12</b>
<b>1N325-16</b>	<b>Box of 16</b>
<b>1N325-32</b>	<b>Box of 32</b>



## MATHEMATICS GAMES WITH SCHOOL FRIENDLY CARDS

<b>DPS1047</b>	<b>Book 1</b>
<b>DPS1048</b>	<b>Book 2</b>



**SAME AS STANDARD CARDS (58mm X 78mm)**



## SCHOOL FRIENDLY PLAYING CARDS - JUMBO 1N310

Ideal for front of class presentation

**Dimensions w x h (mm)**  
**115 x 180**



## SCHOOL FRIENDLY PLAYING CARDS KIT 1N345

- 16x school friendly playing cards pack
- 1x school friendly cards jumbo pack
- 1x Maths Games with school friendly playing cards Book 1 (by Dr Paul Swan)
- 1x Maths Games with school friendly playing cards Book 2 (by Dr Paul Swan)
- 1x A4 storage box





## PLAYING CARDS

- 1N300-8** Box of 8
- 1N300-12** Box of 12
- 1N300-16** Box of 16
- 1N300-32** Box of 32



## JUMBO PLAYING CARDS

- 1N302** Pack of 52

Great for demonstration or small group activities.

Dimensions w x h (mm)  
121 x 171



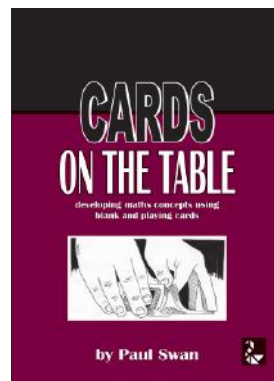
## CARD CAPERS

DPS1006



## CARDS ON THE TABLE

DPS1007



## LARGE FACE PLAYING CARDS

- 1N340-8** Box of 8
- 1N340-12** Box of 12
- 1N340-16** Box of 16
- 1N340-32** Box of 32



## ROWCO PLAYING CARDS

- DPS3001** Each
- DPS3001-8** Box of 8

A card game that involves addition and subtraction in problem solving and reasoning to maximise your total.



## COMBO PLAYING CARDS

- DPS3002** Each
- DPS3002-8** Box of 8

A card game for developing fluency in basic number facts.



# POLYDRON

## SOLIDS

### POLYDRON PRIMARY MATHS SET

1A004

- 100x equilateral triangles
- 60x isosceles triangles
- 80x right angle triangles
- 40x squares
- 30x rectangles
- 24x pentagons
- 20x hexagons
- 10x octagons with cut-out
- 50x large equilateral triangles
- Exploring Polydron booklet



Exploring Booklet



414 PIECES



### CRYSTAL POLYDRON

1A008

Contains 4 key shapes (pentagons, hexagons, squares and equilateral triangles) which allow you to make all types of 2D and 3D shapes. A teachers' guide is included and all the contents are housed in an environmental friendly box.



Hexagon



Square



Equilateral



Pentagon

184 PIECES

### POLYDRON SUPER KIT

1A007

All your Polydron solids (1A004) and crystals (1A008) in a Grathnells storage box.



598 PIECES



# POLYDRON

# FRAMEWORKS

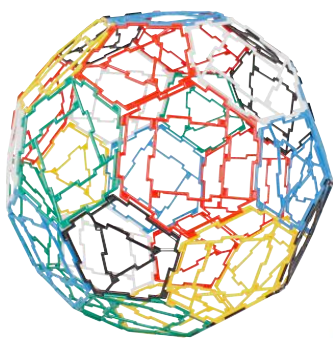
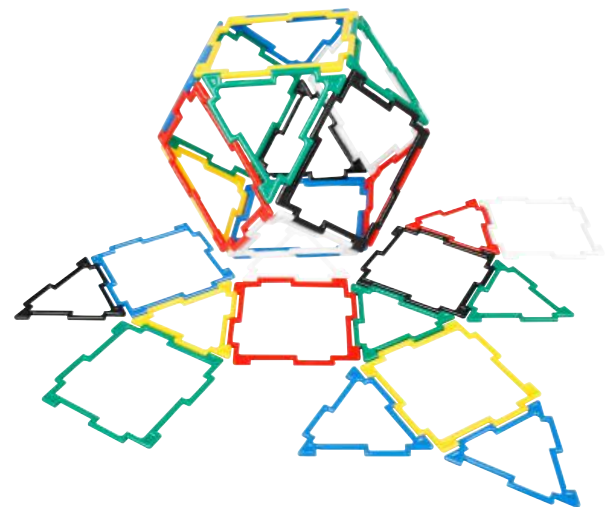
## POLYDRON FRAMEWORKS MULTI SET

1A002

Build structures and geometric solids that allow students to appreciate their internal construction and spaces. Great for any classroom.

Each piece is textured on one side for tactile stimulation, and the shapes are even labelled in Braille.

Packed in an environmental friendly storage box.



**460 PIECES**



## Dr Paul Swan's Spinner Boards

Anything that you can do with dice, you can do with spinner board, making them the perfect substitute if you are after a quieter classroom! Students can work independently or share a board between two. Add, subtract, multiply and collect data using the board to play a variety of educational games. The difficulty level can be adjusted by using different spinners.

### DR PAUL SWAN SPINNER BOARDS NUMBER

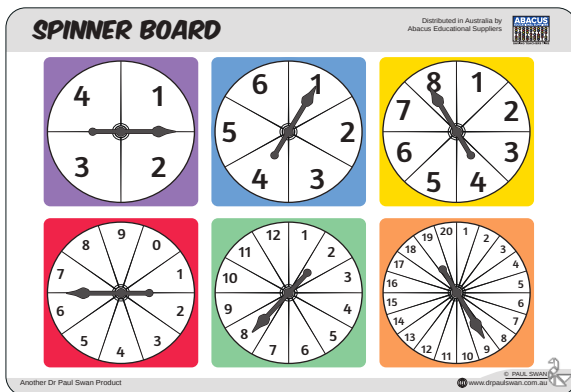
**1E380** Set of 8 in a PVC wallet  
**1E381** Set of 32 in a storage box

### DR PAUL SWAN SPINNER BOARDS PROBABILITY

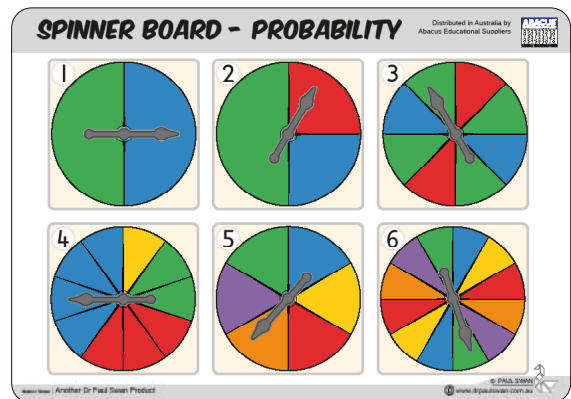
**1E382** Set of 8 in a PVC wallet  
**1E383** Set of 32 in a storage box

EVERYTHING YOU CAN DO WITH DICE & MORE

6 INTEGRATED SPINNERS ON A HANDY A4 BOARD



Dimensions w x h (mm)  
297 x 210



Dimensions w x h (mm)  
297 x 210

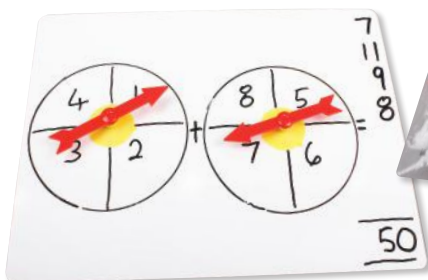
## Spinners

### SUCTION SPINNERS 100mm

**1E363** Set of 10

Spinners will stick to any shiny surface and work well on horizontal and vertical surfaces.

- Improve mental arithmetic
- Make your own spinner dice
- Invent your own games
- Ideal for work on probability



**\*\*Whiteboard not included**

### GAME SPINNERS 70mm

**1E364** Pack of 20  
**1E355** Jar of 100





**Probability and Statistics is one of the new content strands of the Australian Curriculum. Students will be expected to carry out a variety of chance experiments and report their findings. We have designed our kit to include all the fundamental resources for teaching probability:**

- Dice • Spinners • Drawing items from a bag, that are employed in chance experiments.

## PROBABILITY KIT

1E452



Roll a dice, flip a coin, flick a spinner or draw coloured counters from the mystery bag, all to practise collecting data. Then, record your results and work out your conclusions. The kit includes:

- 1x PVC Dice – 12 sided
- 2x Pocket dice
- 1x 2 Colour counters (200)
- 1x Transparent counters (100)
- 1x Bag of assorted coins
- 4x School friendly cards pack
- 1x Take sum risks card game
- 10x Write n wipe pockets
- 10x Show-me medium black pens
- 10x Magnetic whiteboard erasers
- 8x Paul Swan Probability Spinner Boards
- 1x Dice 6s and 10s – set of 72
- Mystery Bags
- 10x Suction spinners
- 1x 2cm Plastic cubes – 4 colours (20)
- 1x Probability Chance Experiments (3-4) book
- 1x Probability Chance Experiments (5-6) book
- Packed in a Gratnells tray with lid

## TAKE SUM RISKS

1N338

Each

1N338-8

Box of 8

"Take Sum Risks" is a great way to introduce students to the practical applications of probability, whilst revising their number skills. The fundamentals of the game include the basic operations of mathematics, whilst the strategy is to balance the chase for a high score, with the risks of receiving a strike. The game is ideal for middle to upper primary school students, but can also be used to review basic skills in lower secondary years.

Dimensions w x h (mm)  
55 x 88



## TEN FRAMES TRAY AND COUNTERS

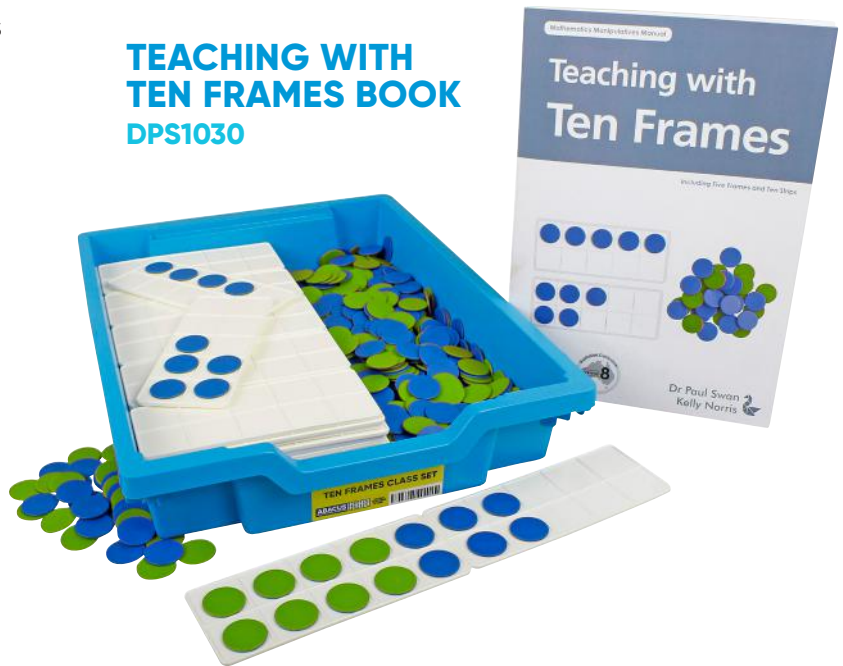
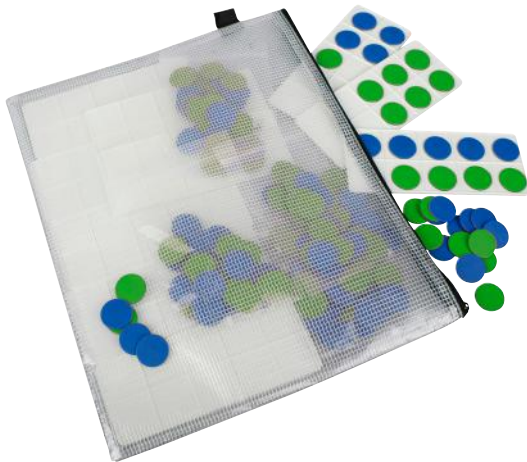
Helps children in visualising numbers to develop number sense and to become proficient in additions and subtractions.

- 1C034 Ten Frames (Small Set)**  
4 Ten Frames and 40 Counters
- 1C038 Ten Frames Group Set**  
16 Ten Frames and 200 Counters
- 1C039 Ten Frames Class Set**

### 1C039 Ten Frames Class Set includes:

- 64x Trays (L 160mm x W 65mm)
- 800x 25mm Counters
- 1x Teaching with Ten frames book
- 1x Drawstring Bag
- 1x Shallow Gragnells Tray with lid

### TEACHING WITH TEN FRAMES BOOK DPS1030

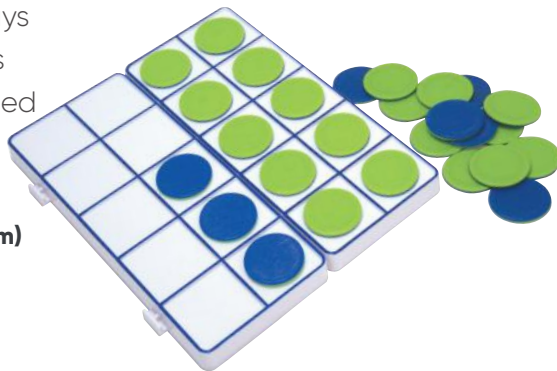


## CONNECTIBLE TEN FRAME TRAYS

### 1C036

- 10x 10 Frame trays
- 5x 5 Frame trays
- 150x Double-sided disc counters
- 1x Activity guide

Dimensions w x h (mm)  
**159 x 67**



## GIANT MAGNETIC TEN FRAME DEMO SET

### 1C033

- 4x Magnetic ten-frames
- 40x Magnetic discs
- 1x Activity guide
- Each frame measures L 311mm x W 127mm

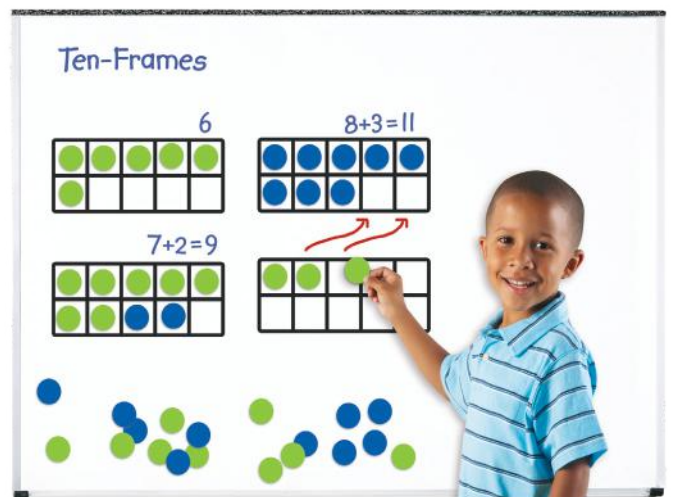
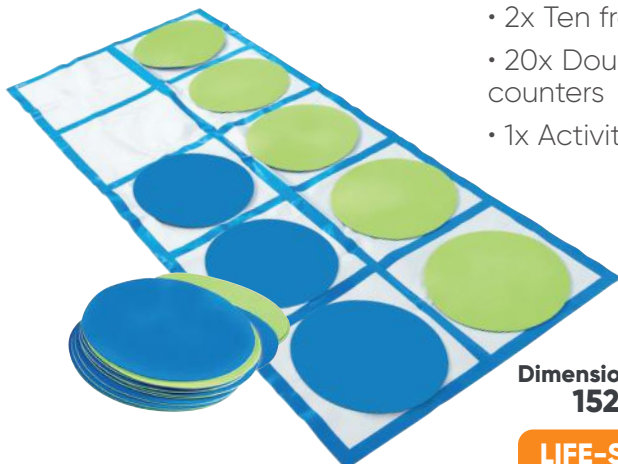
## TEN FRAME FLOOR MAT SET

### 1C037

- 2x Ten frame floor mats
- 20x Double-sided disc counters
- 1x Activity guide

Dimensions w x h (mm)  
**1524 x 712**

**LIFE-SIZED MAT**



**INCLUDES 100 DOUBLE-SIDED COUNTERS**

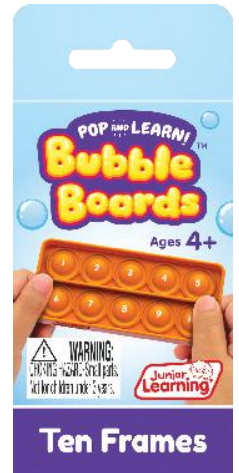


## TEN FRAMES BUBBLE BOARDS

**JL673 4 Mixed-coloured Boards**

Children can visualize concepts such as number bonds to ten, counting, addition, subtraction, multiplication, division and fractions.

Each board measures 10cm x 4cm.



## TEN FRAME TOWERS

**JL155 Set of 67 Pieces**

Roll the dice and stack as many Ten frame number tile combinations as you can. The highest stacked tower wins!



## MAGNETIC TEN FRAME BOARDS

**1C032 Set of 4 boards**

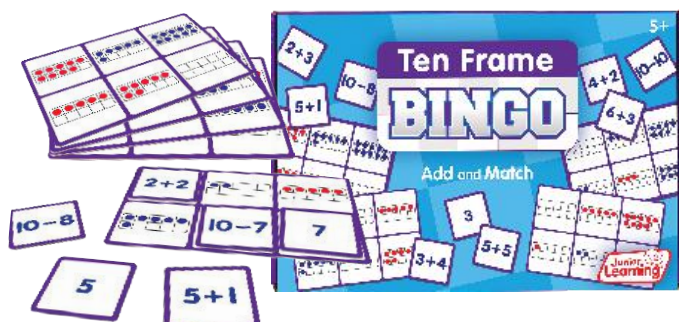
- 4x Handled answer boards
- 100x Double-sided counters
- Activity guide



## TEN FRAME BINGO

**JL547 4 Boards, 24 Cards**

Ten Frame Bingo is a matching game for teaching counting, numbers and simple sums.



## TEN FRAME DOMINOES

**JL479 28 Pieces**

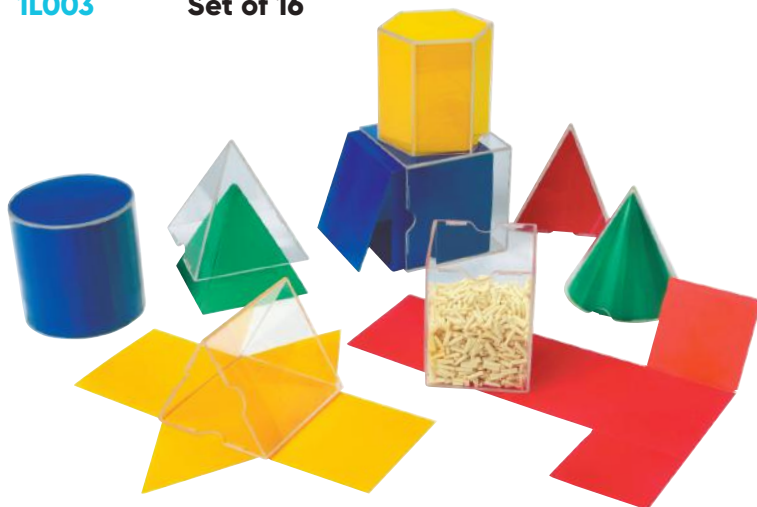
Dominoes come in a collectors tin for storage. Children will love the feel of real dominoes as they complete the number matching game.



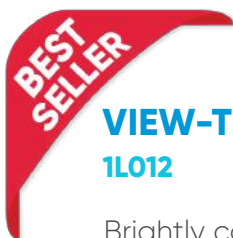
## FOLDING GEOMETRIC SHAPES

1L003

Set of 16



- 8x 2D nets for cylinder, square pyramid, cube, cuboid, cone, hexagonal prism, and triangular pyramid
- 8x corresponding transparent 3D Geometric solids for the above shapes
- Each shape measures H 75mm



## VIEW-THRU GEOMETRIC SOLIDS

1L012

Set of 14

Brightly coloured versions of shapes. This is a set of 14 shapes in 6 colours with clear base lids.



Shapes measure  
30-60mm

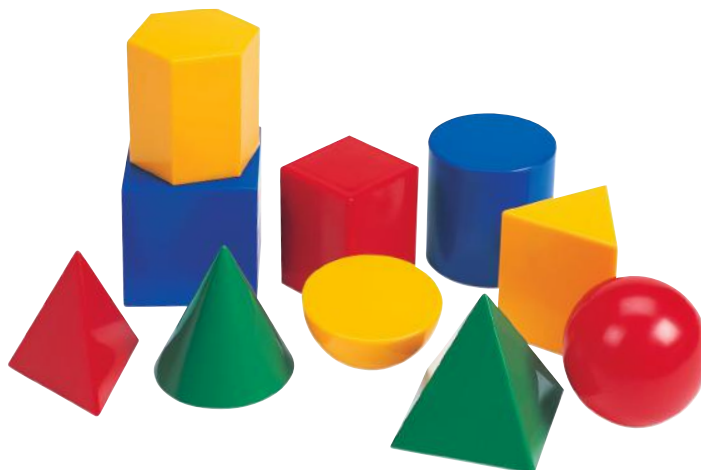
## LARGE GEOMETRIC SOLIDS

1L002

Set of 10

10x 80mm geometric solids

- 1x Cube
- 1x Cone
- 1x Cylinder
- 1x Rectangular prism
- 1x Triangular prism
- 1x Hexagonal prism
- 1x Square pyramid
- 1x Triangular pyramid
- 1x Sphere
- 1x Hemisphere





## FOAM GEOMETRIC SOLIDS

1L007

Set of 12

12x foam geometric solids in 3 colours

- Sphere
- Hemisphere
- 2x cylinders
- 2x cuboids
- Cube
- Pyramid
- Cone
- Octahedron
- Hexagonal prism
- Triangular prism

## WOODEN GEOMETRIC SOLIDS

1L008

Set of 18

19x Geometric solids

- Sphere
- Hemisphere
- Ellipsoid
- 2x cylinder
- Cube
- 3x Cuboid
- 2x Triangular prism
- Cone
- Square and triangular based pyramid
- Parabola and ellipsed cone
- Octahedron
- Hexagonal prism
- Pentagonal prism



## 2D/3D SHAPES KIT

1L021

- 1x Geometric solids – folding plastic
- 1x Geometric solids – soft foam
- 1x 3D mini Geosolids
- 1x Primary shapes template
- 1x Medium sized Drawstring bag
- 1x Deep Gratnells tray with lid



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49 Guthrie Street,  
Osborne Park, WA 6017

E: [mail@abacused.com.au](mailto:mail@abacused.com.au)  
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