

Since 4.11.1968

Celebrating 55 years of quality injection moulding



Catalogue

Specialty Toys  
Games  
Teaching Aids

**GEO**AUSTRALIA™ Pty. Ltd. ABN 83 057 712 697

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AUSTRALIA

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**Ages 1 to 104**

# Our Company

Our parent company Langmar Pty. Ltd. has been active in the creation and manufacture of a wide range of innovative plastic articles, product design as well as injection moulding tool development and realisation since 1968.

# Our Products

Since the conception of Geoshapes / Geofix in 1992, we have specialised in the production of educational toys, manipulatives, teaching aids & related didactic guides, in collaboration with worldwide renowned educators. Our in-house production currently comprises of 16 original product lines aimed at the specialty toy market as well as at the educational market, ranging from early learning to secondary school materials. All GEO items presented in this catalogue are made & packaged in our Melbourne-based manufacturing plant utilising engineering grade polymers.

Consult our full catalogue for teaching and model-building ideas!!!!

[www.geoaustralia.com](http://www.geoaustralia.com)

## Legend



= Made and packaged in Australia



= Country of Origin....



= Environmentally Friendly Packaging



= Contains small parts which may present a choking hazard



= Made of Polycarbonate



= Made of Engineering ABS



= More packs available upon request



= Age Suitability



= Compliant with EU toy safety standards

# Donut Abacus

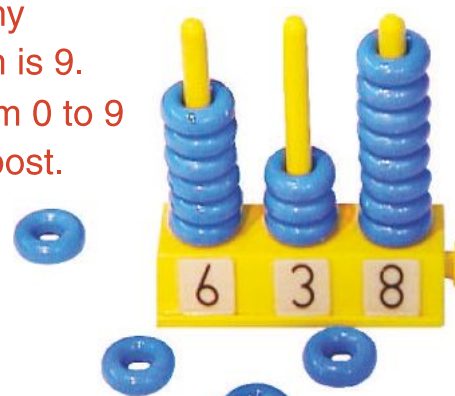
Counting, adding and subtracting is practical and enjoyable with this series of new & colourful abaci!!



Tactile and easy to grasp donuts, stands, posts & number tiles allow students to explore and record the results of their number investigations in a convenient, concrete and visual way. Place value is important: A donut on the right-hand post has a value of 1. On the middle post it has a value of 1 ten.

On the left-hand post it has a value of 1 hundred. Join another stand to extend into thousands, tens of thousands, etc. Add a decimal point to the ones column digit and make numbers smaller than one.

The posts hold exactly 9 donuts because the largest digit in any column of our number system is 9. Explore how the change from 0 to 9 adds a donut to the next post.



**6-010B**

## PRODUCT DESCRIPTION

**6-010 Donut Abacus** in a polybag  
1 stand, 3 posts, 27 rings, 30 number tiles.

**6-010B Donut Abacus** in a box:  
1 stand, 3 posts, 27 rings, 30 number tiles.

**6-010N Donut Abacus** Teacher Booklet.





# clocks

Teaching children

the time is easy

with these sturdy  
cardboard clocks

with moveable moulded  
plastic hands. Available  
in 30cm and in 15cm  
diameter for teacher  
demonstrations and  
for student use  
respectively.



## PRODUCT DESCRIPTION

**GCLT** Teacher's Clock:

1 Clock, shrink-wrapped (30cm diameter)

**GCLS10** Students Clocks:

Set of 10 Clocks, shrink-wrapped (15cm)

4+

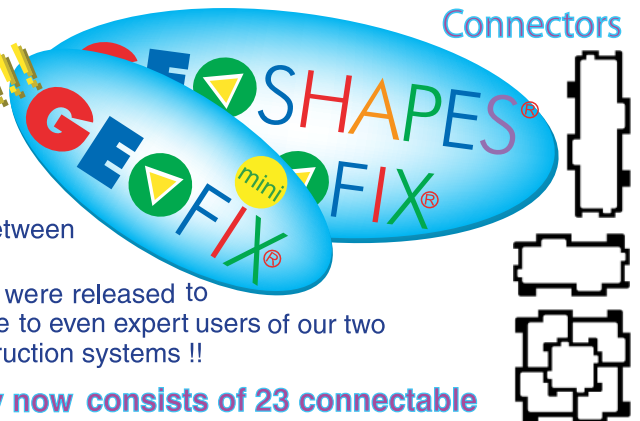


Together  
at last!!!

Three joining components between Geofix®(Geoshapes)® and its half-sized version MiniGeofix were released to create a brand new challenge to even expert users of our two well-known geometric construction systems !!

The GEOFIX family now consists of 23 connectable shapes, many of which are included in this gift box with teaching & model-building ideas.

Connectors



## PRODUCT DESCRIPTION

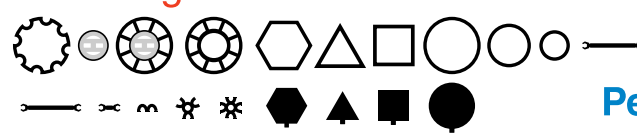
30-104C Mixed Pack 224pcs. in a gift box

# Construction Sticks

Construction Sticks is a simple construction system which allows children to build an endless variety of 3D models.

It currently consists of 20 interlocking components: geometric shapes, rings, clip-on panels with customisable blank stickers, wheels & spoke wheels, sticks, long and short 360° sticks with one swivelling claw & 3 different kinds of universal connector clips:

Idea  
for  
STEM



Perfect to enhance children's motor skills & spatial awareness, to develop counting, measuring & patterning. It stimulates hand/eye coordination, recognition of colours, shapes, sizes. Suitable for preschoolers to secondary students.



Pre-school / junior primary Activity Cards

Construction Sticks comes in many bright solid colours as well as see-through crystal & is made of non-toxic ABS, polypropylene and polycarbonate compounds for stability and durability.



GC3500

GC5600



GC1000

**PRODUCT DESCRIPTION**  
**GC1000** Creative Class Pack 670pcs: w. 20 x A5 task cards & all new parts in a clear storage tub.  
**GC3500** Playbucket 270pcs in a clear storage bucket with red lid.  
**GC5600** Starter Pack 145pcs in a carry-case - shrink-wrapped.





Counters and pokerchips with ridged edges, designed for easy stacking, suitable for various hands-on activities and maths projects. They come in 16 solid colours: black, white, grey, beige, brown, red, yellow, orange, aqua, pink, green, light & dark blue, as well as the new exciting pearl purple and gold. Counters and pokerchips are also available in 7 crystal fluoro colours: yellow, red, green, orange, light & dark blue, purple.

# 22mm COUNTERS



STACKABLE

# 38mm POKERCHIPS



STACKABLE



## PRODUCT DESCRIPTION

**CT22S100 Solid counters, 100 / bag**

**CT22T100 Crystal Counters, 100 / bag**

**CT22S500J Solid Counters, 500**  
gold and pearl-purple counters in a jar

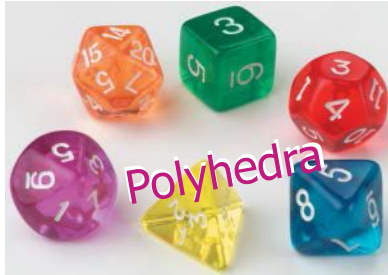
**CT38S50 Solid Pokerchips, 50 in a bag**



# Dice

**Material: urea.**  
**Ideal for probability & number activities.**

**High-quality Polyhedra, Dot & Blank Dice.**



Polyhedra



Blank Dice



polybags

sampler boxes



Jars



DMIX

## Round-cornered Dice



16 mm



25 mm

### PRODUCT DESCRIPTION

- DO04** DICE opaque 4-faced, 100pcs. in a polybag
- DO04J** DICE opaque 4-faced, 60pcs. in a jar
- DT04** DICE crystal 4-faced, 100pcs. in a polybag
- DT04J** DICE crystal 4-faced, 60pcs. in a jar
- DO06** DICE opaque 6-faced, 100pcs. in a polybag
- DO06J** DICE opaque 6-faced, 60pcs. in a jar
- DT06** DICE crystal 6-faced, 100pcs. in a polybag
- DT06J** DICE crystal 6-faced, 60pcs. in a jar
- DO08** DICE opaque 8-faced, 100pcs. in a polybag
- DO08J** DICE opaque 8-faced, 60pcs. in a jar
- DT08** DICE crystal 8-faced, 100pcs. in a polybag
- DT08J** DICE crystal 8-faced, 60pcs. in a jar
- DO10** DICE opaque 10-faced, 100pcs. in a polybag
- DO10J** DICE opaque 10-faced, 60pcs. in a jar
- DT10** DICE crystal 10-faced, 100pcs. in a polybag
- DT10J** DICE crystal 10-faced, 60pcs. in a jar
- DO12** DICE opaque 12-faced, 100pcs. in a polybag
- DO12J** DICE opaque 12-faced, 40pcs. in a jar
- DT12** DICE crystal 12-faced, 100pcs. in a polybag
- DT12J** DICE crystal 12-faced, 40pcs. in a jar
- DO20** DICE opaque 20-faced, 100pcs. in a polybag
- DO20J** DICE opaque 20-faced, 50pcs. in a jar
- DT20** DICE crystal 20-faced, 100pcs. in a polybag
- DT20J** DICE crystal 20-faced, 50pcs. in a jar
- DB16** DICE blank, 100pcs. in a polybag
- DDR16** DICE dot round-cornered 16mm, 100pcs./bag
- DDR16J** DICE dot round-cornered 16mm, 60 / jar
- DDR25** DICE dot round-cornered 25mm, 100pcs./bag
- DDR25J** DICE dot round-cornered 25mm, 40 / jar
- DOMB** DICE: polyhedra opaque 6 types, 72pcs/box
- DTMB** DICE: polyhedra crystal 6 types, 72pcs/box
- D MIX** DICE: opaque+crystal 2 each x 16 kinds/box
- GDF080** Giant Foam Dice 80x80mm in bulk



Taiwan







Ideal  
for  
STEM



Geofix® (in some countries known as Geoshapes®) is a unique and patented construction system of colourful geometric shapes, which easily snap together to create an endless variety of fantastic 3D models. Made of tough, non-toxic polycarbonate, they have been designed to build children's spatial awareness, measurement, counting and patterning skills and to promote co-operative problem-solving.



Playbucket includes instructions for 22 models



3-111P Pastel Geofix Mixed Box with geometric models instructions



Triangle & Square Panels complement the Playbucket



3-206 Playpack



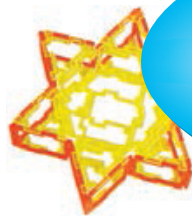
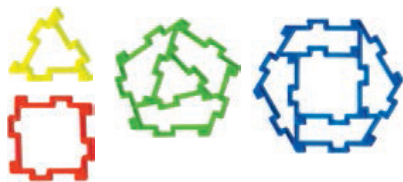
Multipack comes with a guide on how to make GEO-bubbles & play "Plato's Revenge"

**SMALL MIXED PACKS**

**PRODUCT DESCRIPTION**

- 3-111P Pastel Mixed Gift Box 66pcs.
- 3-208C Playbucket 55pcs.
- 3-302C Panels Mixed Box 28pcs.
- 3-215C Multipack Retail 53pcs.
- 3-206 Playpack 280pcs. in a storage tub: 160 Triangles, 80 Squares, 40 Pentagons with Square
- 3-105C Great Rhombicosidodecahedron Pack 62 pcs.
- 30-001C MiniGeofix Retail Box No.1 56pcs.
- 30-002C MiniGeofix Retail Box No.2 150pcs.
- 30-003C MiniGeofix Plat. Solids Bucket 51pcs.
- 30-0G Glow-in-the-Dark Triangles Box 120pcs.

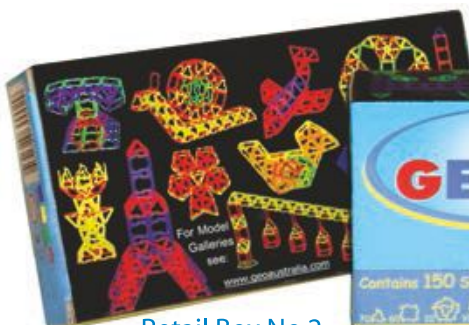
**MiniGeofix® is a half-sized version of Geofix triangles, squares, pentagons & hexagons.**



-MiniGeofix® is compact & perfect for small children's hands!

-MiniGeofix® is affordable & ideally packaged in gift boxes & kindergarten tubs!

-MiniGeofix® is supplied in strong fluorescent colours for maximum visual impact!



Retail Box No.2



Retail Box No.1







# GEO SHAPES® GEO FIX®

Ideal  
for  
STEM



CRYSTAL COLOURS

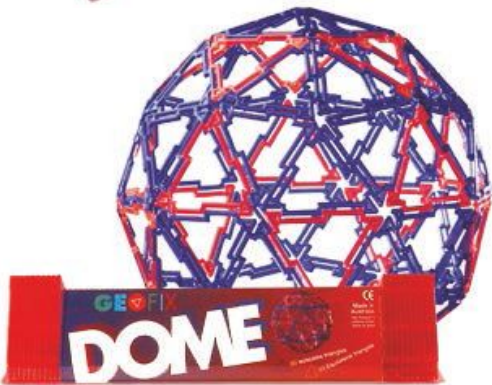
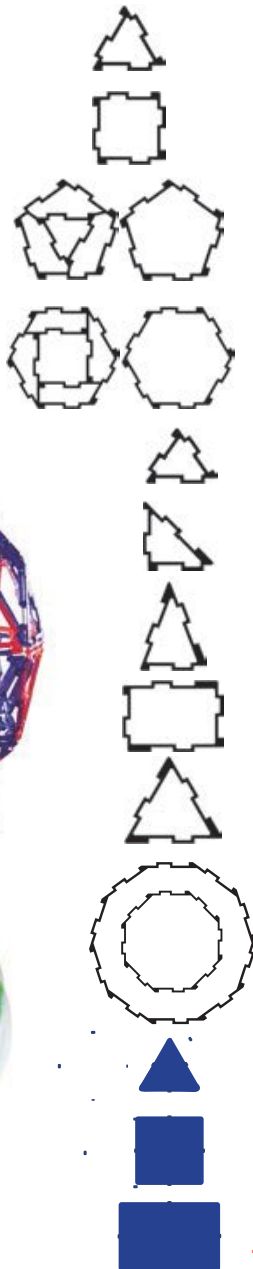
SOLID COLOURS

PASTEL COLOURS

## INDIVIDUAL SHAPES IN BLISTER PACKS

### PRODUCT DESCRIPTION

- \*\*3-100C\* Small Equilateral Triangle 102pcs.
- \*\*3-101C\* Square 60pcs.
- \*\*3-102C\* Pentagon with Triangle 30pcs.
- 3-1002C Pure Pentagon 30pcs.
- \*\*3-103C\* Hexagon with Square 24pcs.
- 3-1003C Pure Hexagon 24pcs.
- 3-106C Geodesic Dome Triangle 60+20pcs.
- 3-107C\* Right-angled Triangle 84pcs.
- 3-108C\* Isosceles Triangle 60pcs.
- 3-109C\* Rectangle 42pcs.
- 3-112C\* Large Equilateral Triangle 54pcs.
- 3-115C\* Octagon & Decagon 12+12pcs.
- 3-300C\* Triangle Panel 90pcs.
- 3-301C\* Square Panel 54pcs.
- 3-303C\* Rectangle Panel 36pcs.



### GEO PANELS

(clip-on panels highlight the volume of finished structures, allow to examine colour mixes & changes as a model is turned & are useful to colour-code faces of solids)



\*SOLID COLOURS available (same code without "C")  
\*\* PASTEL COLOURS available (same code with "PS" at the end)



# KOALA

Lovely, brightly-coloured koalas in three sizes (Papa koala 45mm, Mama koala 35mm, Baby koala 30mm) and four colours are a great way to motivate children to learn about colour, sorting, patterning, measurement, sequencing, number sense and more! Small koalas are accompanied by little cars as well as by 'ten-frame' buses, a brilliant & original counting strategy; dot ten-frame spinners complete the product line, allowing for the creation of endless games involving addition, subtraction, fractions, percentage etc.

## TEN FRAMES & NUMBER RECOGNITION

Ten-frames help children to recognise numbers from 1 to 10 and to become familiar with relationships amongst these numbers.

By repeatedly placing the koalas into the top row (left to right) & then into the bottom row seats (also left to right as they write), pupils will develop sight recognition of number patterns.

When they can immediately see 5 and 10 koalas in the bus they can count on or back from these to find relevant amounts.

This process is known as  
**SUBITISING**

9-007 Koala  
Game



Koala buses with ten seats for small koalas will replace the usual mats & drawn paper cutouts to make this number exploration **MORE EXCITING!**

### PRODUCT DESCRIPTION

- 9-001** Koala Counters 3 sizes, 4 colours 120pcs in a 2lt. jar with screwcap
- 9-004** Small Koala Counters & Cars, 4col. 50 Koalas & 10 cars in a clear box
- 9-007** Small Koalas+Ten-frame Buses Game 4col. -50 Koalas, 5 Buses, 1 Spinner, games instructions



Buses & Cars

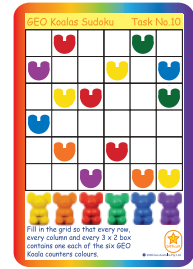




# Sudoku Kits - All Levels !!!

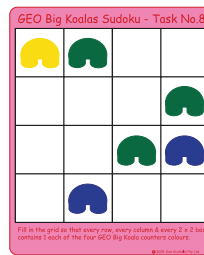


Sudoku, sometimes spelt Su Doku, is a Japanese logic-based placement puzzle, also known as Number Place in the United States. The aim of the canonical puzzle is to enter a cypher from 1 to 9 in each cell of a 9x9 grid made up of 3x3 subgrids (called "regions"), starting with various digits given in some cells (the "givens"). Each row, column, and region must contain only one instance of each numeral. Although first published in 1979, Sudoku initially caught on in Japan in 1986 and attained international popularity in 2005.



9-009 GEO Baby Koalas Sudoku: 36 baby koalas, 19 3 x 2 puzzles & answer key in a hang-sell pack. Lower Primary.

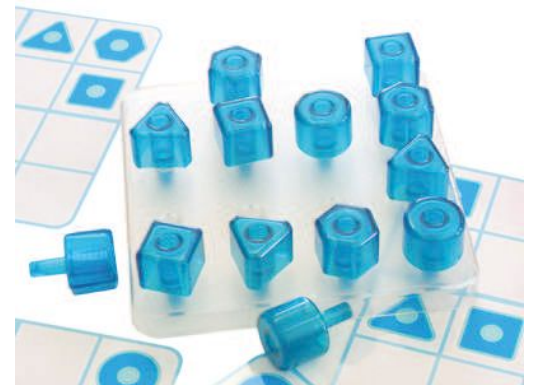
9-011 Geo Big Koalas Sudoku Classroom Pack: 144 Large koalas (36 each of 4 colours, enough for 9 children or pairs), 9 2 x 2 Sudoku Puzzles & an answer key in a clear storage tub. Ages 4-6.



9-012 Geo Baby Koalas Sudoku Maxi Pack: 486 Small koalas (54 each of 9 colours), 6 3 x 3 Sudoku Puzzles & answer key in a clear storage tub. Ages 6+.

## PRODUCT DESCRIPTION

- 9-009 GEO Baby Koalas 3 x 2 Colour Sudoku: 36 baby koalas, 19 Sudoku puzzles + answer key.
- 9-011 GEO Big Koalas 2 x 2 Colour Sudoku Class Pack: 144 large koalas, 9 Sudoku puzzles + answer key.
- 9-012 GEO Baby Koalas 3 x 3 Colour Sudoku Class Pack: 486 baby koalas, 6 Sudoku puzzles + answer key.
- 4-008C Peggy 2 x 2 Symbol Sudoku: 1 board, 16 pegs, 9 Sudoku puzzles + answer key, shrink-wrap



4-008C Geo Peggy 2 x 2 Symbol Sudoku: 1 crystal clear board, 16 crystal pegs & 9 OHP Sudoku puzzle cards & an answer key shrink-wrapped. Ages 3+.

# PEGGY with

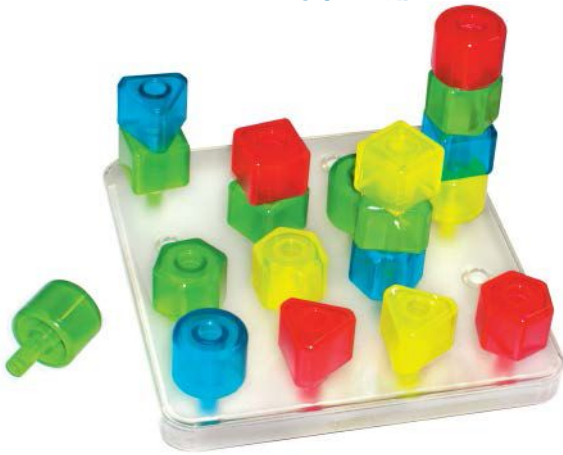
**-PEGGY-**  **-BEADS-**

PEGGY is a great way for children to develop skills in:

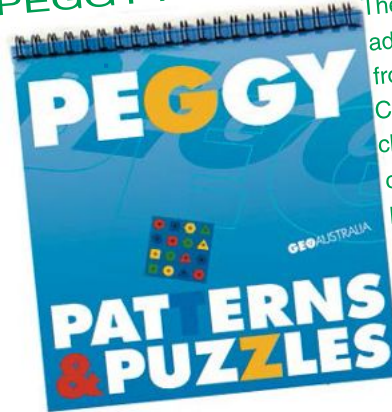
- Patterning
- Sorting
- Counting
- Colour and shape recognition
- Hand eye co-ordination



16 chunky geometric prism pegs; circular, triangular, square and hexagonal in red, blue, yellow & green are easy for little hands and for special needs students to grasp. Board size 180 x 180mm.



## PEGGY PATTERNS & PUZZLES



The PEGGY book has been developed to address a number of the learning outcomes from the Level 1 Space Strand of the Maths CSF2 document. The first few activities require children to recognise the different shapes and copy a simple shape pattern. More challenging activities encourage children to use problem-solving skills to complete the patterns shown. Answers are provided. Suggested ages: 3-6 years



### PRODUCT DESCRIPTION

- 4-002\* Peggy - Shrink-wrapped: 1 board, 16 pegs
- 4-004\* Peggy Pegs Only -48 pegs in Jar
- 4-005\* Peggy Beads & Laces: 32 beads, 2 laces in a clear jar with lid
- 4-006\* Peggy Beads & Laces Jumbo: 64 beads, 4 laces in a clear jar with lid
- 6-008P Peggy Spinner, 4 colours

\*CRYSTAL COLOURS available (same code with a C at the end)





# Australian Play Money

Oversize designer coins and banknotes are ideal for teacher demonstrations and student use to solve money problems. The coins are designed to be 25% larger than their actual counterparts to meet Reserve Bank requirements. Play Money Notes have exactly the same size as real banknotes



**8-010 Coins & Notes** in a small clear box. Ideal retail & single student set.



**8-006 Large Till**  
Coins & Notes are supplied in a clear PVC till contained in a large plastic box. The till can be taken out for play and kept inside the box for storage.



## PRODUCT DESCRIPTION

- 8-004J** GEO Gold & Silver Coins (30x1\$, 30x2\$, 30x50c, 60x20c, 90x10c & 60x5c) in a jar
- 8-005** GEO Gold & Silver Coins in a small Till -96pcs. in a box
- 8-006** GEO Coins & Notes in a Large Till (228 coins & 50 notes)/box
- 8-008** Play Money Notes (20 of each note in a plastic wallet)
- 8-010** Banknotes+Coins Set (5x\$100, 5x\$50, 5x\$20, 5x\$10, 5x\$5, 8x\$2, 8x\$1, 4x50c, 8x20c, 12x10c & 8x5c) in a plastic storage box
- 4-010C** 3D Connect 4: 1 board, 16 posts, 64 fluoro rings, shrink-wrap

## 4-010C 3D Four-in-a-Row GEO's board version of the popular Connect Four game

The traditional Connect Four is played on a seven-column, six-row, vertical, slotted grid, with discs of two colours; players take turns dropping their chips into slots, trying to line up four of their own discs in a row - vertically, horizontally or diagonally. GEO's version, played on a board

fitted with 16 vertical posts which can each host 4 donut-shaped markers, is much more challenging. Four same-coloured donuts can be lined up in a number of directions and dimensions!!





For the ones who think they know it all...

These puzzles and mathematical challenges are valuable teaching aids as well as ideal gift items in their individual retail packaging.

# GEO PUZZLES



**KUMIKUBE®:** The newest & toughest challenge to any puzzle enthusiast!!! Kumiki is a Japanese word which means "to join wood together". In Japan, the term kumiki refers to several different varieties of woodcraft, especially figural wooden interlocking puzzles or, in a broader sense, any wooden construction toy. The KumiKube results from our own original design & consists of 6 interlocking components. It is available in a light & in a dark shade of woodgrain material, a high-quality plastic resin closely resembling wood. Due to the intricacy of its mould & its perfect fit, it could not be readily manufactured in wood.



**P  
YR  
AMID  
PUZZLE**

is a wonderful 3D spatial task for students of any age... & their curious teachers!!!

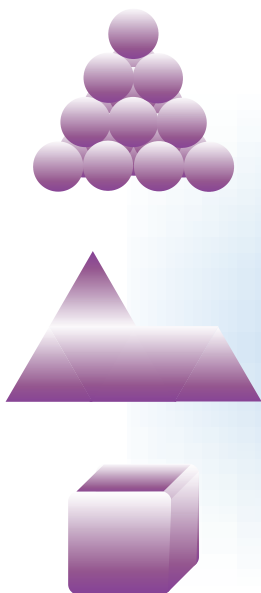
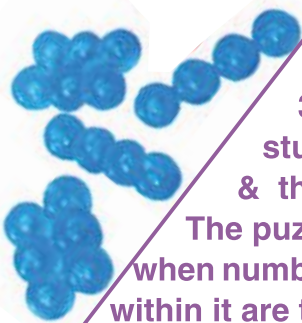
The puzzle is even more exciting when number + algebra patterns hidden within it are teased out in the appropriate way for students from Yr.5 through to university.

**GEO  
SPHINX**  
The Sphinx sits on top of

an iceberg of investigations on mathematical language, shape & space, tessellations, area, perimeter, patterns, mathematical proof, similar shapes and who knows what else is yet to be discovered!!!

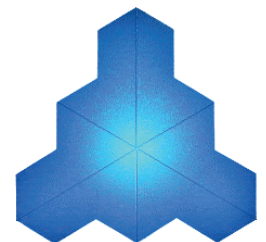
5-006  
Puzzle  
Game

**Pattern Shapes**  
Rectangle, Right-angle  
Triangle, Circle,  
Rhombus, Square



## PRODUCT DESCRIPTION

- 5-001C** Pyramid Puzzle No.1: 4 components in a gift blister-pack
- 5-002C** Pyramid Puzzle No.2: 6 components in a gift blister-pack
- 5-006** Sphinx Puzzle Game: 16 Sphinx pcs. + 18 cards & instructions in a gift box.
- 5-007** Pattern Shapes: Approx. 50 x 5 shapes + Teacher Notes in a tub
- 5-008** KumiKube Puzzle: 6 components in a hang-sell blister-pack
- 5-009** GEO Sphinx Kinder, 80 Sphinx pcs., 8 plastic task cards





# SPINNERS



By the end of their primary schooling, children should understand the concept of probability and know how to calculate it both theoretically and experimentally. Our sturdy cardboard spinners are ideal for probability games and will assist them to develop mental calculation, forecasting, decision-making skills.

☆ Ten-frame Spinners are very useful in conjunction with our ten-frame buses and small koala counters

☆ All Spinners measure 11 x 11cm



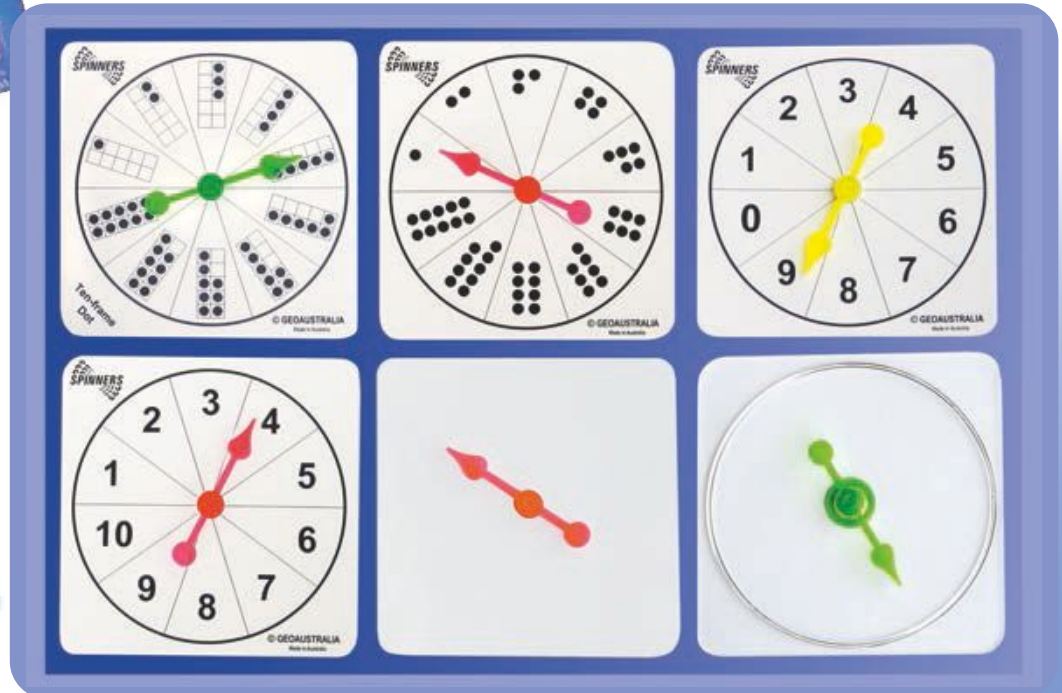
Peggy 4 colour Spinner see "Peggy" presentation



MiniGeofix / Geoshapes 4-colour Spinner



Our Spinner Pointers are made of polycarbonate, hence flexible but extremely sturdy and durable.



## PRODUCT DESCRIPTION

**6-001 Ten-frame Dot Spinners,**  
Set of 10 in a blister-pack

**6-002 1-10 Dot Spinners,**  
Set of 10 in a blister-pack

**6-003 0-9 Numeral Spinners,**  
Set of 10 in a blister-pack

**6-004 1-10 Numeral Spinners,**  
Set of 10 in a blister-pack

**6-005 Blank Spinners,** Re-usable,  
Set of 10 in a blister-pack

**6-006 Mixed Spinners,** 2 each of all  
the above kinds in a blister-pack

**6-007 Clear Spinners for OHP,**  
polycarbonate, 1 only in a polybag

**6-000 Spinner Pointers,** 7 crystal cols.  
polycarbonate, 100 in a polybag



Pointers



3+





**Crystal Construction Shapes:** a complement to any Construction Sticks set. Made of 100% polycarbonate.

2-6



The **Georing**<sup>®</sup> (reg.des.) is a Construction Sticks part that can be utilised by itself. Stimulates patterning & sequencing skills.

2-6



**The Little Architect**

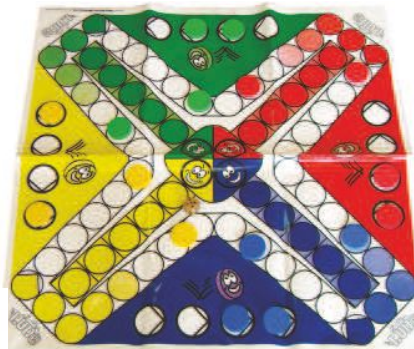
A clever Australian made educational construction toy to foster imagination & enhance fine motoric co-ordination skills. All parts readily slide together, making it possible even for 3-year-olds to build models. Highly recommended for the younger ones:

'Build-a-picture' released in May 2008.



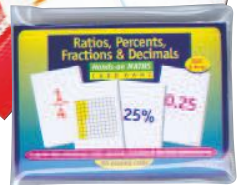
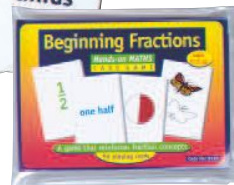
**FLOOR GAMES**

**Giant Ludo & Giant Snakes & Ladders** come with an 80x80cm plastic mat, counters, a die & game instructions.



**CARD GAMES** Beginning Fractions & Ratios, %, Fractions and Decimals include 56 playing cards and 4 blank cards to make up one's own set. Instructions & game variations included.

= NZ



= NZ

**Aluminium Solids,** set of 5 Platonic + 3 Archimedean Solids



= Canada

**PRODUCT DESCRIPTION**

- 4-009C** Crystal Constr. Shapes, 100pcs / jar
- GR80** Georings, 80pcs in a jar
- R130** Beginning Fractions Card Game
- R131** Fractions, Ratios, %... Card Game
- BP300** Little Architect Build-a-picture 300pcs
- TLA260** Little Architect 260pcs + 10cards / tub
- FGPML** Giant Ludo Play Mat in a polybag
- FGPMS** Giant Snakes & Ladders Pl. Mat /bag
- DAS** Die-cast Aluminium Solids 8pcs in a hang-sell blister-pack

