



Mathematics Task Centre

eTask Maker Manual

Tasks have been developed and refined in hundreds of classrooms through the 40+ year history of the Task Centre concept. In this context a task means a card introducing an investigation. It is accompanied by hands-on materials chosen to encourage entry to, and exploration of, the challenge. Tasks are designed to be used by pairs of students and are an invitation to independently 'have a go' at learning to work like a mathematician.

- eTasks are print ready task cards and ancillary resources delivered electronically.
- You provide materials to create the tasks.
- Grow your set of tasks over time as a professional development project.
- Enlist the help of the school community.

Print materials are published for the exclusive use of the purchaser.

In addition to this Maker Manual, your eTask package includes:

- 241 task cards - plus playing boards, cut-out masters, recording sheets - as PDF.
- Answers and teaching notes freely available on site as Task Cameos.
- Professional development leadership notes and slides.
- Teachers' Handbook of collected wisdom from classrooms.
- Our web site rich with teacher stories, student work, unit plans, assessment information, photographs, additional support documents and a Content Finder.

To discover more visit our site or contact Doug. Williams:

- E: doug@blackdouglas.com.au
- P/F: (03) 9720 3295
- M: 0401 177 775

www.mathematicscentre.com

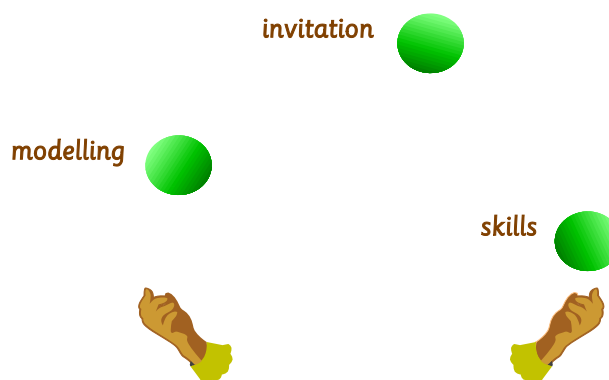
Mathematics Task Centre is a division of Mathematics Centre which is managed by
Black Douglas Professional Education Services, 4/71 Greenhill Road, Bayswater North, Australia 3153

Working Like A Mathematician

A library of eTasks *invites* students to choose their own mathematical adventure, just like a library of books invites students to choose their own reading adventure.

Also, in the same way as a teacher selects one book to use with the whole class to explore literature, a maths teacher can select any task as a whole class investigation to *model* working like a mathematician.

Add Investigation Guides (examples on site) to extend reasoning and skills and each eTask now has three lives. The Task Cameo Content Finder lists the *skills* in each task.



Balancing a Working Mathematically curriculum.

Printing Files

eTasks have been prepared in three categories:

- **Easy to make (E)**
- **Extra Work** involved - printing and cutting (**W**)
- **Special Equipment** required not commonly available in schools (**S**)

Production Quality

Professional presentation encourages teachers and students to look after the task library. Therefore all PDF files have been prepared for high quality printing, assuming that they will be printed on card, some with use of colour, and laminated.

From there, print production quality is your choice. The files will print equally well on paper and pages can be slipped into plastic sleeves. Files could also be used on student devices in a room with access to collections of relevant equipment.

Equipment is essential to the use of tasks. Without equipment your print files are just another text, so we encourage every effort to select or make the best possible materials.

Tasks are designed to appeal to many learning styles. Logical/mathematical intelligence is the focus of each task but adding equipment creates opportunity for visual/spatial and kinaesthetic learning. Working in pairs encourages verbal/linguistic learning resulting in mathematical conversation which calls on interpersonal and intrapersonal learning skills.

Research available on site (see INISSS in Research & Stories) testifies that this multiple intelligence approach to learning to work like a mathematician produces big learning gains in language development, reasoning and problem solving and mathematical skills. (mathematicscentre.com/taskcentre/do.htm#iniss)

Equipment

The Task Library (mathematicscentre.com/mathematicscentre/task_lib.htm) has a photo of every task. Prepacked tasks as in the photos are no longer available, but the photos represent the print and equipment quality to aim for and the range of equipment overall. Creating your own eTasks requires a good supply of:

- circular counters (discs) in several colours and in 2 or 3 sizes
- 2.5cm square tiles in several colours
- 2cm wooden cubes in several colours
- 1cm & 2cm plastic cubes which link in 3 dimensions
- cube dice in both dot and numeral versions
- small objects which can represent people or animals or...

Beyond that, special equipment needed for some tasks is detailed on the following pages. Finding or preparing it is a great opportunity to enlist the creative assistance of other departments in the school and the wider school community.

Preparing the Printing

Each printing category includes two files.

- One for printing in colour on white card.
- One for printing in monochrome on coloured card.

The table shows the PDF file name, the file code used on the following pages and the number of eTasks in the file.

Easy	Extra Work	Special Equipment
<ul style="list-style-type: none"> • easy_COL_wht.pdf E1 ... 19 tasks <p>Preview the file and note the number of pages. Take the file to your printer. Ask for 1 copy of each page colour printed on white card.</p> <ul style="list-style-type: none"> • easy_BW_col.pdf E2 ... 136 tasks <p>Preview the file and note the number of pages. Take the file to your printer. Select 5-8 bright colours of card. Arrange them in an order. Repeat to make a pile equal to the number of pages. Ask for 1 copy of each page printed in monochrome on your pile of card. Arrange laminating with rounded corners (for safety) for all pages. See Special Comments on pages 5-9 for tasks: 13, 27, 34, 69, 70, 77, 90, 135, 200</p>	<ul style="list-style-type: none"> • work_COL_wht.pdf W1 ... 6 tasks • work_BW_col.pdf W2 ... 22 tasks <p>Preview each of these files and choose the tasks you are ready to make. Check Special Comments on pages 5-9. For the most part these tasks require equipment that is easy to organise. The extra work is in cutting after laminating. Prepare printing for your chosen tasks guided by the notes for Easy.</p>	<ul style="list-style-type: none"> • spec_COL_wht.pdf S1 ... 3 tasks • spec_BW_col.pdf S2 ... 55 tasks <p>Preview each of these files and choose the tasks you are ready to make. If you have any of the special equipment then making the task becomes easy. Check Special Comments on pages 5-9. A few of these tasks require cutting after laminating as well as special equipment. Prepare printing for your chosen tasks guided by the notes for Easy.</p>

Note

- If you have Maths With Attitude eManuals an alternative starting point is to make the 20 tasks for one kit. Plan the use of that kit using the planning pages of the manual, then repeat with other kits.
- You only need one copy of the printing and equipment for any task.
- In the future if you need multiple copies of a task (as a library might order multiple copies of a popular novel) you will have the resources to do so.
- Tasks resource the reasoning and problem solving core of your curriculum. We make no claim that they represent the whole mathematics curriculum.
- Tasks are designed to encourage independent learning. They require a level of language comprehension that usually develops around Year 2, so that's when task use tends to begin. However some teachers of younger students have adapted some tasks. See information in the Teachers' Handbook and at: mathematicscentre.com/taskcentre/infant.pdf
- Working Mathematically with Infants *is* designed to resource a core curriculum in working like a mathematician. (mathematicscentre.com/calchange/#wmi)

First Workshop: Preparation

All 241 eTasks are supplied so you can continue your professional development by meeting as a team once a term or semester to add to your task library. However it will save time to arrange printing and laminating of all the Easy files prior to the first workshop. One trip to the print shop to create the starting point for 155 tasks. That's more than enough, so make a selection if budget is limited. For example:

- 10 tasks become a work station and if from one content strand a Mixed Media Unit is possible.
- 20 tasks from one content strand can become a Replacement Unit.
- 20 tasks from a Maths With Attitude eManual will build several weeks of work integrating your hands-on tasks with whole class investigations from Maths300.
mathematicscentre.com/taskcentre/mwa.htm
- 50 tasks will resource a year level of parallel classes.
- 100 tasks will resource a school.

Note

- Mixed Media and Replacement unit plans and other curriculum planning models can be found at: mathematicscentre.com/taskcentre/plans.htm
- Maths With Attitude is most useful if you are a Maths300 member. Find membership information at: www.maths300.com/subscribe.htm
- In addition to the print file codes these codes are also used in the following pages.

School Year Codes

A: Junior Primary, Years 2-4
B: Upper Primary, Years 4-7
C: Lower Secondary, Years 6-8
D: Middle Secondary, Years 8-10

Content Codes

A = Algebra **C** = Chance & Data
L = Logic **M** = Measurement
N = Number **P** = Pattern
S = Space

If your starting point printing is done and your basic equipment is organised you are ready to begin. You will also need:

- Packets of white and coloured sticky dots for teachers.
- A few permanent black markers for teachers.
- Scissors and a guillotine for teachers.
- A box of the bits you find in the storeroom that you don't know what to do with - some might find a new life as a ... 'something' ... needed for a task.
- Several non-permanent black markers for students to write on laminate.
- Swatches of soft cloth for students to wipe off the laminate for the next student.

The history of constructing task collections began with teacher working together to make their own based on notes from other schools. True to this concept, the Workshop Notes in your eTask package offer thoughts about running your first workshop day. Slides are also included in your package. However, if you prefer the professional development to be presented by an external leader, contact Doug. Williams (see front page) to discuss the program and arrangements.

Summary

Work together to make a starter set of tasks offered to pairs of students as an invitation to work like a mathematician.

- Involve parents and interested students in the process.
- Learn about, share, discuss and imagine as you construct each task.
- Plan the use of tasks together. Build units of work using Maths With Attitude or other models.
- Extend the units of work with Menu Maths, Picture Puzzles, Maths300
- Trial, review, revise, repeat.

Your task collection will help develop the questioning, reasoning, justifying and communicating skills highly valued by every modern national curriculum document.

No.	NAME	Level	Strand	PDF file	Special Comments
1	Final Eight	BC	C	W2	1 extra pg. to laminate & cut / 1 board to print A3 from separate file <i>001board.pdf</i>
2	Cars In A Garage	ABCD	N/P	E2	
3	Doug's Tablecloth	BC	M/S/N	W1	1 extra pg. to laminate before cutting
4	Window Frames	BCD	N	W2	1 pg. printed or traced onto plastic - laminate before cutting / 1 board
5	Make A Snake	ABCD	P/A	E1	
6	Counter Escape	ABCD	C	E2	
7	Consecutive Sums	BC	N/P/A	E2	
8	Addition Totals	BC	N/P/A	E1	
9	Row Points	ABC	S/N	E2	
10	Find My Pattern	ABC	N/P/A	E1	
11	Lining Up	ABC	P/A/N	E2	
12	Matching Cards	AB	S/N/C	W2	3 extra pages to laminate before cutting
13	The Frog Pond	ABC	N/C	E1	Cut board into 2 strips (1 to use, 1 spare)
14	Heads And Legs	ABC	N/P/A	W2	2 extra pgs. to laminate before cutting / 1 board
15	Domino Trails	AB	N	E2	
16	Octaflex	ABCD	S	S1	Read pg. 'Octaflex Teaching Notes' first - in file
17	Truth Tiles 2	ABCD	N	E2	
18	Same Or Different	BCD	C/P/A	E2	
19	Cookie Count	AB	N	E2	
20	Pack The Box	ABCD	S/M	S2	Equipment must be made by carpenter according to instructions in file
21	Tactical	ABCD	L	E2	
22	Time Together	ABCD	M/N	S2	2 model (or real) clocks with movable hands
23	Two Colour Game	ABCD	L	E2	
24	Squares Around Squares	BCD	P/A	E2	
25	In Between Time	BCD	M/N	S2	2 model (or real) clocks with movable hands
26	Travelling Australia	ABC	M	W2	2 boards - map printed A3 / 2pgs. to lam. & cut
27	Can Stack	BCD	P/A	E2	'Cans' can be easily cut from 2cm dowel
28	Plate Triangles	BC	N/A	E2	
29	The Farmer's Puzzles	AB	S	E2	
30	Truth Tiles 1	ABC	N	E2	
31	Cube Nets	ABCD	S	S2	12 Geoshape or Mini Geofix squares
32	Tetrahedron Nets	ABCD	S	S2	8 Geoshape/Mini Geofix equ'l triangles 2x4 cols
33	Dominoes	ABCD	N	E2	
34	Dice Differences	ABCD	C	E2	Cut board into 4 strips (2 to use, 2 spare)
35	Crosses	BC	N/P	E2	
36	Making Triangles	ABC	S	S2	At least 60 dowel rods (or equivalent) of different lengths - 4 x 15 colours. Lengths: 6, 7, 8, 10cm
37	Fraction Magic Square	BCD	N	E2	
38	The Mushroom Hunt	BCD	N	E2	
39	Criss-Cross Numbers	AB	N/L	E2	
40	Diamonds & Rectangles	BCD	L/C	S2	Laminate & cut label card. Find 6 diamonds and 6 squares and 3 opaque bags or containers.
41	Scale Drawing	AB	S	E2	
42	Triangles Around Triangles	BCD	P/A	S2	Mini Geofix triangles: Col A = 43, Col. B = 21
43	Number Tiles	BCD	N	E2	
44	Latin Squares	ABCD	S/P	E2	
45	Eric The Sheep	ABCD	P	E2	
46	Duelling Dice	BCD	C	E2	
47	Red/Black Card Game	BC	N/C	E2	
48	How Many Triangles?	BCD	P/S/A	S2	16 Geoshape or Mini Geofix triangles
49	Take A Chance	BCD	C	E2	
50	Flight Departures	AB	L	E2	

No.	NAME	Level	Code	PDF file	Special Comments
51	Staircase	BCD	P/A	E2	
52	Which Floor	AB	N/S	E2	
53	Have A Hexagon	ABCD	C/N	E2	
54	Fay's Nines	BCD	N	E2	
55	Fold Up Houses	BCD	P/A/S	S2	24 each of Mini Geofix squares & triangles
56	Challenge	ABC	N	E2	
57	Two Squares	BC	P/M/S	E2	
58	See-Saw	AB	M	E2	
59	13 Away	AB	N	E2	
60	Back To Back Building	ABCD	S	E2	
61	Double Staircase	BCD	P/A	E2	
62	4 & 20 Blackbirds	ABCD	N/L	E2	
63	Fried Rice	ABC	M	E2	
64	Difference Btn 2 Squares	CD	A/M/S	S2	Template supplied. Could be printed but will look more professional if made by a carpenter.
65	Shape Algebra	ABC	A/S	S2	1 extra pg. to laminate before cutting / 1 board
66	Pentominoes	BCD	S	S2	Requires a pentomino set / 2 boards
67	Making Solids	ABCD	S	S2	Glue wooden cubes to make pieces. L=3, S=4
68	Six Square Puzzle	AB	S	E2	
69	Tricubes	ABCD	S	E2	Use 2cm linking cubes to make Tricubes
70	Symmetric Shapes	ABCD	S	E2	Use 1cm linking cubes to make these pieces
71	Algebra Through Geometry	CD	A/S	S2	1 extra pg. to laminate before cutting / 1 board
72	Farmyard	AB	S	E2	
73	In The Bag	ABCD	S	S2	4 extra pgs. to laminate before cutting
74	Button Sort	AB	L	E2	
75	What's It Worth?	ABC	S/N	S2	20 accurately cut 2cm equilateral triangles
76	Tube Toss	BCD	C	S2	Tube container, possibly from chemist / 3 discs
77	Tricube Constructions A	BC	S/M	E2	Use 2cm linking cubes to make Tricubes
78	Which View?	ABC	S	E2	
79	Tangram Teasers	ABC	S	E2	
80	A Dollar To Spend	BC	N	E2	
81	Pentagon Triangles	BCD	S/P	W1	1 extra pg. to laminate before cutting
82	Snail Trail	ABCD	L/N/A	S2	Cuboid of wood and dowel rod. See Cameo.
83	Racetrack	ABCD	S	S2	Safe mirror / dry wipe pen / cloth / 3 boards
84	Rectangle Nightmare	BCD	S/M/P	S2	1 extra pg. to laminate before cutting
85	Time Swing	BC	M	E2	
86	Thirty-one	BC	N/P/A	E2	
87	First Down The Mountain	BCD	C	E2	
88	Rice, Rice, Rice	BC	M	E2	
89	Doctor Dart	BCD	N/C	E2	
90	Tricube Constructions B	BC	S/M	E2	Use 2cm linking cubes to make Tricubes
91	Pick A Box	BCD	N	W1	1 extra pg. to laminate before cutting
92	Magic Squares	BCD	N/S	E2	
93	Leading The Blind	ABC	S	W2	1 pg. printed or traced onto plastic - laminate before cutting
94	Crossing The Desert	BC	L	E1	
95	Reflections	BC	S	E2	
96	Networks	BC	S/L	W2	1 extra pg. to laminate before cutting / 1 board
97	Pythagoras Rods	BCD	M/S/N	S2	Collection of specific Cuisenaire Rods
98	Martian Maths	BC	N	E2	
99	How Many Things?	BC	N	E2	
100	Mirror Patterns 1	BC	S	W2	1 extra pg. to laminate before cutting / 1 board

No.	NAME	Level	Code	PDF file	Special Comments
101	Pyramid Puzzle	ABCD	S/P/A	S2	Can be made from foam spheres, sticks & glue
102	Crazy Animals	ABCD	C/N/A	W2	1 extra pg. to laminate before cutting
103	Four Cube Houses	ABC	S	E2	
104	Building Views	BC	S	E2	
105	Soma Cube 1	ABC	S/L	E2	
106	Crossing The River 2	BC	L	E1	
107	McMahon's Triangles 2	BCD	S	W1	1 extra pg. to laminate before cutting
108	How Many Squares?	BC	P/N/A	E2	
109	Number Game	BC	N	E2	
110	Who Lives Where?	ABC	L	W2	1 extra pg. to laminate before cutting / 1 board
111	Square Numbers	BCD	N	E2	
112	Coloured Squares	ABCD	L/S/N	E2	
113	Calendar	ABC	N	E2	
114	Where Is The Rectangle?	BC	S	E2	
115	Dividing Shapes	BC	S	E2	
116	Who Owns The Monkey?	BCD	L	W2	6 extra pgs. to laminate before cutting
117	12 Counters	ABCD	C	E2	
118	Ice-cream Flavours	ABCD	P/A	E2	
119	Police Line-up	ABC	L	W2	1 extra pg. to laminate before cutting
120	Nim	ABC	L/N	E2	
121	Farmyard Views	ABC	S	W2	1 extra pg. to laminate before cutting / 1 board
122	Football Ladder	BC	L/N	W1	1 extra pg. to laminate before cutting
123	Bob's Buttons	ABC	N	E2	
124	Human Moves Monster	ABC	S	E1	
125	Farmyard Race Day	BC	L	E2	
126	Planets	BCD	N/M	W1	1 extra pg. to laminate before cutting
127	Highest Number 1	ABCD	C/N	E2	
128	Highest Number 2	ABCD	C/N	E2	
129	Farmyard Friends	ABCD	L/N	W2	1 extra pg. to laminate before cutting
130	Protons & Anti-protons	BCD	N	E2	
131	Walk The Plank	ABCD	C/N	E2	
132	Red To Blue	BCD	L	E1	
133	Win At The Fair	BCD	C	E2	
134	Eight Queens	BCD	S	E2	
135	Famous Mathematicians	BCD	L	E2	Cut name board into 4 strips (1 to use, 3 spare)
136	Four Bead Mix	CD	N	S2	Check the art room or craft shop for beads
137	Training For Maths	BCD	P/N	E2	
138	Rectangle Of Squares	BCD	S/M	S2	1 set of accurately cut squares as on card
139	Squound	BCD	L	E2	
140	Time For Tiling	BC	P/A	E2	
141	Flags From A Ship	ABCD	N	E1	
142	Tower Of Hanoi	ABCD	N/P/A	S2	Base with dowel towers and discs. See Cameo.
143	Hearts And Loops	ABCD	S	S2	Requires wire bending and welding as in file.
144	Pascal's Triangle In Asia	ABCD	P/N	E2	
145	Land Of ET	BCD	L	E2	
146	Haberdashers' Problem	CD	S	S2	Template supplied. Could be printed but will look more professional if made by a carpenter.
147	Garden Beds	BCD	P/A	E2	
148	McMahon's Triangles 1	BCD	N/P	W2	1 extra pg. to laminate before cutting
149	A Stacking Problem	BCD	P	E2	
150	Chess Queens	BC	S/L	E2	

No.	NAME	Level	Code	PDF file	Special Comments
151	Knight Swap	BCD	L/S	E2	
152	Painted Rods	BCD	P/A/N	E2	
153	Knight Protectors	BCD	L	E2	
154	4 Arm Shapes	ABC	P/A	E2	
155	64 = 65	BCD	M/P/N	E2	
156	Photo Angles	ABCD	S/M	S2	Print photo file 156photo.jpg / 1 board / objects
157	Paving Views	BC	S	S2	About 40 accurately cut 2cm squares /1 board
158	Brick Walls	BCD	N/M/P/A	S2	Construction bricks with a volume of 2 cubes
159	Mirror Patterns 2	BCD	P/A	W2	1 extra pg. to laminate before cutting
160	Painted Cubes	BCD	P/A/N	S2	1 board / Big cubes from various MAB (Multibase Arithmetic Block) sets or 1cm cubes glued
161	Soma Cube 2	ABCD	S	E2	
162	Game Show	ABCD	C	E2	
163	Eureka	BC	N	E1	
164	Symmetric Tiles	BC	S	S2	28 accurately cut 2cm squares - different colour each side /1 board
165	Change	AB	N	S2	Special selection from play money set
166	Sphinx	ABCD	S/N/P/M	S2	Template supplied. Could be printed but will look more professional if made by a carpenter.
167	Sliding Tiles	ABCD	L	S2	Equipment must be made by carpenter. See Task Library for design.
168	Mirror Patterns 3	BC	S	W2	1 extra pg. to laminate before cutting
169	Wallpaper Patterns	BC	S	W2	1 extra pg. to laminate before cutting / 1 board
170	Equilateral Triangles	ABC	S	E2	
171	Number Discs	ABCD	L	E2	
172	Cover Up	BC	N/L/C	E1	
173	Crossing The River 1	BC	L/A/P	E1	
174	Magic Cube	BCD	N/S	E2	
175	Pythagoras 1	CD	M/S	W2	1 extra pg. to laminate before cutting
176	Steps	ABCD	N/P	E2	
177	Making Fractions 2	ABC	N/M/P	S2	1 extra pg. to laminate before cutting / 1 board
178	Match Triangles	BC	P/A	E2	
179	Unseen Triangles	BC	P/A	E2	
180	Making Monuments	BC	P/A	E2	
181	Pointy Fences	BCD	P/A	S2	10 Geoshape/Mini Geofix squares & 8 triangles
182	Jumping Kangaroos	BCD	L/P/A	E2	
183	Pizza Toppings	ABCD	N/P	E2	
184	Reverse	BCD	L/P	E2	
185	Coloured Cubes	ABCD	L/S	E1	
186	Tetrahedron Triangles	BCD	P/A/S	S2	16 Geoshape/Mini Geofix triangles
187	Area Of A Triangle	BC	S/M/A	S2	2 grids printed on clear plastic / 3 different triangles cut to instructions in card or wood.
188	Arithmagons 1	BC	N/P/A	E2	
189	Pythagoras 2	CD	M/S	W2	1 extra pg. to laminate before cutting / 1 board
190	Magic Hexagon	BCD	N/L	E2	
191	Choosing Beads	BCD	L/C	E2	
192	Keith's Kubes	BC	S/L	E2	
193	Surface Area With Tricubes	BCD	M/S	S2	4 Tricubes made by gluing wooden cubes
194	Arithmagons 2	BC	N/P/A	E2	
195	Stop At 4	BC	N	E2	
196	Cross & Square	ABC	M/S	S2	Template supplied. Cut from wood or card.
197	Chocolate Chip Cookies	BC	C	E1	
198	What's In the Bag?	BC	C	E2	
199	Making Fractions 3	BC	N/M/P	S2	1 extra pg. to laminate before cutting / 1 board
200	Greedy Pig	BC	C	E2	Cut board into 2 strips (1 per student)

No.	NAME	Level	Code	PDF file	Special Comments
201	Rectangle Fractions	BC	N	E2	
202	Rod Mats	BC	N	S1	Needs Cuisenaire Rods
203	Make The Whole	BC	N	S2	Cuisenaire Rods / 1 extra pg. to laminate before cutting
204	Decimals With A Tape	BC	N/M	E2	
205	Fraction Estimation	BC	N/M	E2	
206	Intersections	BC	P/A	E2	
207	Triangle Perimeters	BC	M/S/N	S2	16 accurately cut 2cm equilateral triangles
208	Cube Numbers	CD	N/A/S	E2	
209	Pattern Cube	ABCD	S/L	E2	
210	Division Boxes	BCD	N	E2	
211	Soft Drink Crates	ABCD	N/S/L/P	E2	
212	Monkeys & Bananas	ABCD	N/A/L	E2	
213	Chains	BCD	N/L	E2	
214	Angle Estimation	BC	M/S	S1	Needs Rotagrams / 1 board to laminate before cutting
215	Take Away Tiles	BCD	N/A	E2	
216	Square Pairs	BC	N	E2	
217	Kids On Grids	BC	P/M/S	W2	1 board to enlarge to A3 before laminating
218	Guessing Colours Game	AB	N/C	E2	
219	The Hole In The Triangle	BCD	S/M/N	W2	1 extra pg. to laminate before cutting
220	Smooth Edge Tiles	BC	P/A/N	E2	
221	Triangles & Colours	ABCD	P/N/A	E1	
222	Making Fractions 1	BCD	N/M/P	S2	1 extra pg. to laminate before cutting / 1 board
223	Cat and Mouse	ABCD	C	E1	
224	Matching Faces	BCD	C/N	E1	
225	Add The Pack	BC	N/P	E2	
226	Playing With Objects	ABC	S/M/L	S2	1 set of commercial objects if available. See Task Library for example / 1 extra pg. to laminate before cutting / small container of rice
227	Volume Line Up	ABCD	M/N	S2	1 set of commercial objects if available. See Task Library for example / small container of rice / measuring cup in millilitres
228	Koala Karts	ABCD	L	S2	Specific set of attribute koalas / 1 board & 1 extra pg. to laminate before cutting
229	Animal Farm	AB	N	E2	
230	Pack Up Your Bears	AB	N	S2	10 counting bears / 1 board
231	Flowers In The Field	ABCD	N	E2	
232	Dice Footy	ABC	N/C	E1	
233	Money Money Money	BCD	N/P/L	S2	Specific set of play money bank notes / 1 board
234	Growing Tricubes	BCD	M/S/P	S2	16 Tricubes made by gluing wooden cubes
235	Tables For 25	BC	N	E2	
236	Star Numbers	ABCD	P/A/N/S	E1	
237	Trisquares	ABCD	S/M	S2	8 Trisquares cut from card or wood
238	Growing Trisquares	BCD	P/A/N/S	S2	16 Trisquares cut from card or wood
239	Money Charts	ABC	N/L	S2	Selected play money coins / 2 boards
240	Less Than Fractions	BCD	N	E2	
241	Sicherman Dice	BCD	C/N	E2	