



Mathematics Task Centre

TASK CATALOGUE

Tasks in this catalogue 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 and accompanied by hands-on materials chosen to encourage entry to, and exploration of, the challenge. They are designed to be used in pairs and are an invitation to 'have a go' at learning to work like a mathematician.

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
- L = Logic
- N = Number
- S = Space
- C = Chance & Data
- M = Measurement
- P = Pattern

These classifications are based on the collective opinion of many teachers.
Tasks are open-ended and adaptable to several year levels.
This feature is one criteria of a good task.

Information in this document is also included in the eTask Maker Manual.

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Mathematics Task Centre is a division of Mathematics Centre which is managed by
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MATHEMATICS TASK CENTRE CATALOGUE

No.	NAME	Level	Code	No.	NAME	Level	Code
1	Final Eight	BC	C	51	Staircase	BCD	P/A
2	Cars In A Garage	ABCD	N/P	52	Which Floor	AB	N/S
3	Doug's Tablecloth	BC	M/S/N	53	Have A Hexagon	ABCD	C/N
4	Window Frames	BCD	N	54	Fay's Nines	BCD	N
5	Make A Snake	ABCD	P/A	55	Fold Up Houses	BCD	P/A/S
6	Counter Escape	ABCD	C	56	Challenge	ABC	N
7	Consecutive Sums	BC	N/P/A	57	Two Squares	BC	P/M/S
8	Addition Totals	BC	N/P/A	58	See-Saw	AB	M
9	Row Points	ABC	S/N	59	13 Away	AB	N
10	Find My Pattern	ABC	N/P/A	60	Back To Back Building	ABCD	S
11	Lining Up	ABC	P/A/N	61	Double Staircase	BCD	P/A
12	Matching Cards	AB	S/N/C	62	4 & 20 Blackbirds	ABCD	N/L
13	The Frog Pond	ABC	N/C	63	Fried Rice	ABC	M
14	Heads And Legs	ABC	N/P/A	64	Difference Btn 2 Squares	CD	A/M/S
15	Domino Trails	AB	N	65	Shape Algebra	ABC	A/S
16	Octaflex	ABCD	S	66	Pentominoes	BCD	S
17	Truth Tiles 2	ABCD	N	67	Making Solids	ABCD	S
18	Same Or Different	BCD	C/P/A	68	Six Square Puzzle	AB	S
19	Cookie Count	AB	N	69	Tricubes	ABCD	S
20	Pack The Box	ABCD	S/M	70	Symmetric Shapes	ABCD	S
21	Tactical	ABCD	L	71	Algebra Through Geometry	CD	A/S
22	Time Together	ABCD	M/N	72	Farmyard	AB	S
23	Two Colour Game	ABCD	L	73	In The Bag	ABCD	S
24	Squares Around Squares	BCD	P/A	74	Button Sort	AB	L
25	In Between Time	BCD	M/N	75	What's It Worth?	ABC	S/N
26	Travelling Australia	ABC	M	76	Tube Toss	BCD	C
27	Can Stack	BCD	P/A	77	Tricube Constructions A	BC	S/M
28	Plate Triangles	BC	N/A	78	Which View?	ABC	S
29	The Farmer's Puzzles	AB	S	79	Tangram Teasers	ABC	S
30	Truth Tiles 1	ABC	N	80	A Dollar To Spend	BC	N
31	Cube Nets	ABCD	S	81	Pentagon Triangles	BCD	S/P
32	Tetrahedron Nets	ABCD	S	82	Snail Trail	ABCD	L/N/A
33	Dominoes	ABCD	N	83	Racetrack	ABCD	S
34	Dice Differences	ABCD	C	84	Rectangle Nightmare	BCD	S/M/P
35	Crosses	BC	N/P	85	Time Swing	BC	M
36	Making Triangles	ABC	S	86	Thirty-one	BC	N/P/A
37	Fraction Magic Square	BCD	N	87	First Down The Mountain	BCD	C
38	The Mushroom Hunt	BCD	N	88	Rice, Rice, Rice	BC	M
39	Criss-Cross Numbers	AB	N/L	89	Doctor Dart	BCD	N/C
40	Diamonds & Rectangles	BCD	L/C	90	Tricube Constructions B	BC	S/M
41	Scale Drawing	AB	S	91	Pick A Box	BCD	N
42	Triangles Around Triangles	BCD	P/A	92	Magic Squares	BCD	N/S
43	Number Tiles	BCD	N	93	Leading The Blind	ABC	S
44	Latin Squares	ABCD	S/P	94	Crossing The Desert	BC	L
45	Eric The Sheep	ABCD	P	95	Reflections	BC	S
46	Duelling Dice	BCD	C	96	Networks	BC	S/L
47	Red/Black Card Game	BC	N/C	97	Pythagoras Rods	BCD	M/S/N
48	How Many Triangles?	BCD	P/S/A	98	Martian Maths	BC	N
49	Take A Chance	BCD	C	99	How Many Things?	BC	N
50	Flight Departures	AB	L	100	Mirror Patterns 1	BC	S

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No.	NAME	Level	Code	No.	NAME	Level	Code
101	Pyramid Puzzle	ABCD	S/P/A	151	Knight Swap	BCD	L/S
102	Crazy Animals	ABCD	C/N/A	152	Painted Rods	BCD	P/A/N
103	Four Cube Houses	ABC	S	153	Knight Protectors	BCD	L
104	Building Views	BC	S	154	4 Arm Shapes	ABC	P/A
105	Soma Cube 1	ABC	S/L	155	64 = 65	BCD	M/P/N
106	Crossing The River 2	BC	L	156	Photo Angles	ABCD	S/M
107	McMahon's Triangles 2	BCD	S	157	Paving Views	BC	S
108	How Many Squares?	BC	P/N/A	158	Brick Walls	BCD	N/M/P/A
109	Number Game	BC	N	159	Mirror Patterns 2	BCD	P/A
110	Who Lives Where?	ABC	L	160	Painted Cubes	BCD	P/A/N
111	Square Numbers	BCD	N	161	Soma Cube 2	ABCD	S
112	Coloured Squares	ABCD	L/S/N	162	Game Show	ABCD	C
113	Calendar	ABC	N	163	Eureka	BC	N
114	Where Is The Rectangle?	BC	S	164	Symmetric Tiles	BC	S
115	Dividing Shapes	BC	S	165	Change	AB	N
116	Who Owns The Monkey?	BCD	L	166	Sphinx	ABCD	S/N/P/M
117	12 Counters	ABCD	C	167	Sliding Tiles	ABCD	L
118	Ice-cream Flavours	ABCD	P/A	168	Mirror Patterns 3	BC	S
119	Police Line-up	ABC	L	169	Wallpaper Patterns	BC	S
120	Nim	ABC	L/N	170	Equilateral Triangles	ABC	S
121	Farmyard Views	ABC	S	171	Number Discs	ABCD	L
122	Football Ladder	BC	L/N	172	Cover Up	BC	N/L/C
123	Bob's Buttons	ABC	N	173	Crossing The River 1	BC	L/A/P
124	Human Moves Monster	ABC	S	174	Magic Cube	BCD	N/S
125	Farmyard Race Day	BC	L	175	Pythagoras 1	CD	M/S
126	Planets	BCD	N/M	176	Steps	ABCD	N/P
127	Highest Number 1	ABCD	C/N	177	Making Fractions 2	ABC	N/M/P
128	Highest Number 2	ABCD	C/N	178	Match Triangles	BC	P/A
129	Farmyard Friends	ABCD	L/N	179	Unseen Triangles	BC	P/A
130	Protons & Anti-protons	BCD	N	180	Making Monuments	BC	P/A
131	Walk The Plank	ABCD	C/N	181	Pointy Fences	BCD	P/A
132	Red To Blue	BCD	L	182	Jumping Kangaroos	BCD	L/P/A
133	Win At The Fair	BCD	C	183	Pizza Toppings	ABCD	N/P
134	Eight Queens	BCD	S	184	Reverse	BCD	L/P
135	Famous Mathematicians	BCD	L	185	Coloured Cubes	ABCD	L/S
136	Four Bead Mix	CD	N	186	Tetrahedron Triangles	BCD	P/A/S
137	Training For Maths	BCD	P/N	187	Area Of A Triangle	BC	S/M/A
138	Rectangle Of Squares	BCD	S/M	188	Arithmagons 1	BC	N/P/A
139	Squound	BCD	L	189	Pythagoras 2	CD	M/S
140	Time For Tiling	BC	P/A	190	Magic Hexagon	BCD	N/L
141	Flags From A Ship	ABCD	N	191	Choosing Beads	BCD	L/C
142	Tower Of Hanoi	ABCD	N/P/A	192	Keith's Kubes	BC	S/L
143	Hearts And Loops	ABCD	S	193	Surface Area With Tricubes	BCD	M/S
144	Pascal's Triangle In Asia	ABCD	P/N	194	Arithmagons 2	BC	N/P/A
145	Land Of ET	BCD	L	195	Stop At 4	BC	N
146	Haberdashers' Problem	CD	S	196	Cross & Square	ABC	M/S
147	Garden Beds	BCD	P/A	197	Chocolate Chip Cookies	BC	C
148	McMahon's Triangles 1	BCD	N/P	198	What's In the Bag?	BC	C
149	A Stacking Problem	BCD	P	199	Making Fractions 3	BC	N/M/P
150	Chess Queens	BC	S/L	200	Greedy Pig	BC	C

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No.	NAME	Level	Code	No.	NAME	Level	Code
201	Rectangle Fractions	BC	N				
202	Rod Mats	BC	N				
203	Make The Whole	BC	N				
204	Decimals With A Tape	BC	N/M				
205	Peg & Tape Fractions	BC	N/M				
206	Intersections	BC	P/A				
207	Triangle Perimeters	BC	M/S/N				
208	Cube Numbers	CD	N/A/S				
209	Pattern Cube	ABCD	S/L				
210	Division Boxes	BCD	N				
211	Soft Drink Crates	ABCD	N/S/L/P				
212	Monkeys & Bananas	ABCD	N/A/L				
213	Chains	BCD	N/L				
214	Angle Estimation	BC	M/S				
215	Take Away Tiles	BCD	N/A				
216	Square Pairs	BC	N				
217	Kids On Grids	BC	P/M/S				
218	Guessing Colours Game	AB	N/C				
219	The Hole In The Triangle	BCD	S/M/N				
220	Smooth Edge Tiles	BC	P/A/N				
221	Triangles & Colours	ABCD	P/N/A				
222	Making Fractions 1	BCD	N/M/P				
223	Cat and Mouse	ABCD	C				
224	Matching Faces	BCD	C/N				
225	Add The Pack	BC	N/P				
226	Playing With Objects	ABC	S/M/L				
227	Volume Line Up	ABCD	M/N				
228	Koala Karts	ABCD	L				
229	Animal Farm	AB	N				
230	Pack Up Your Bears	AB	N				
231	Flowers In The Field	ABCD	N				
232	Dice Footy	ABC	N/C				
233	Money Money Money	BCD	N/P/L				
234	Growing Tricubes	BCD	M/S/P				
235	Tables For 25	BC	N				
236	Star Numbers	ABCD	P/A/N/S				
237	Trisquares	ABCD	S/M				
238	Growing Trisquares	BCD	P/A/N/S				
239	Money Charts	ABC	N/L				
240	Less Than Fractions	BCD	N				
241	Sicherman Dice	BCD	C/N				