

MATHEMATICS

## TASK CENTRE PROJECT

# TASK CATALOGUE

### 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   |                   |

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.

- It is our undertaking to be in a position to supply replacement or substitute parts for any task we have sold.
- However we obtain our materials from a large range of secondary sources and on rare occasions may not be able to complete your order. We hope you will understand.
- We also hope you will understand the need to charge a minimum fee of \$27.50 plus postage for this service.
- A \* beside the name of any task indicates that it was unavailable at time of printing.

To order either tasks or spare parts, send a detailed purchase order to:

Black Douglas Professional Education Services  
8 Greenbank Drive Mooroolbark Vic. 3138 Australia  
Fax: +61 3 9727 4644 Email: [doug@blackdouglas.com.au](mailto:doug@blackdouglas.com.au)

| 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                | 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 Beans?          | 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               | CD    | 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               | BC    | N/M     |
| 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              | ABC   | 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                | 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 | Triangle Area             | BC    | S/M/A   |
| 138 | A Rectangle Of Squares    | BCD   | S/M   | 188 | Arithmagons 1             | BC    | N/P/A   |
| 139 | Squound                   | BCD   | L     | 189 | Pythagoras 3              | 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 Tricube | 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 | The Haberdashers' Prob.   | 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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