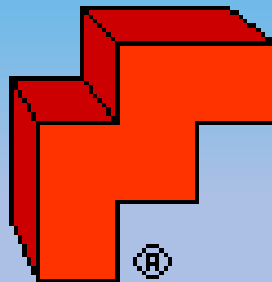


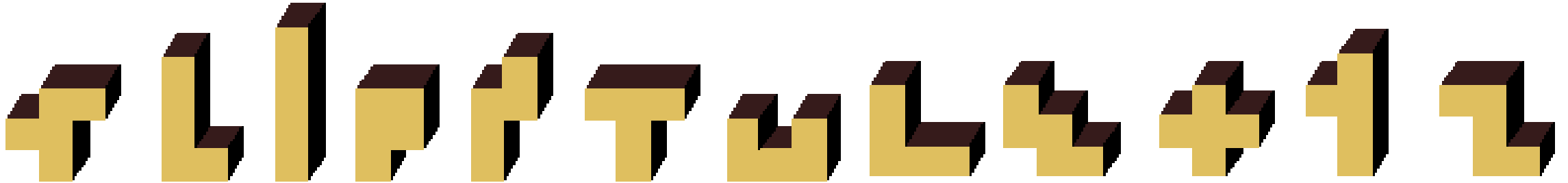
Pentomino Poetry

The wonders of fiveness,
the dazzling dozen



Presented at Bridges, Eindhoven, Netherlands
July 17, 2025

Quick overview of pentomino tribes:



Quintillions®

Five equal squares (or cubes) by sides adhered
Give these twelve splendid shapes, by puzzlers cheered.
They were explored and named in '53
By Solomon Golomb — a math student was he.
They begat much study, tribes a-plenty,
That spread beyond the century twenty.
Herein the tale will show their offspring's cluster,
As complex as your keen exploits can muster.



Poly-5™

The tidy shapes of 1 to 5 pure squares
Adjoined in all their cosmic variants
Can fill the rickrack tray with tilish tricks
And form endearing patterns large and small.
Six games of thought are played by two or more,
To block or capture or high points to score.

Super Quintillions®

Precision-cut, handfitted superquints

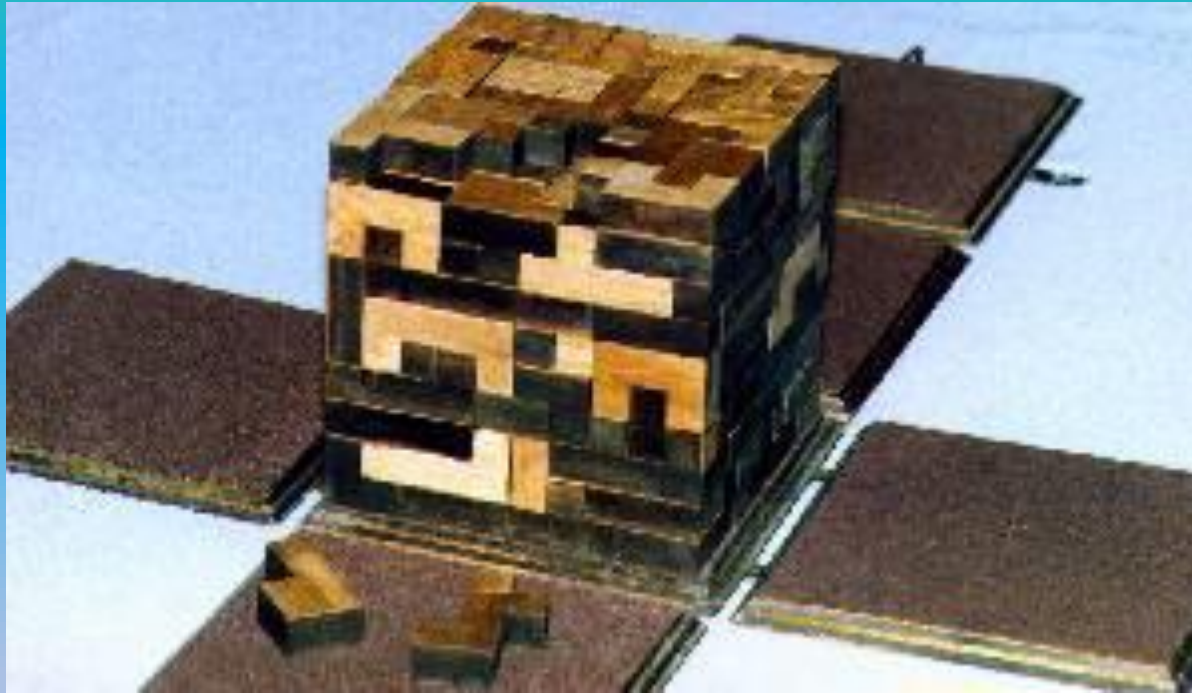
Do mate exquisitely with yon twelve blocks —

A supplement of eighteen shapes comprised.

Forsooth, they are the known world's most sublime

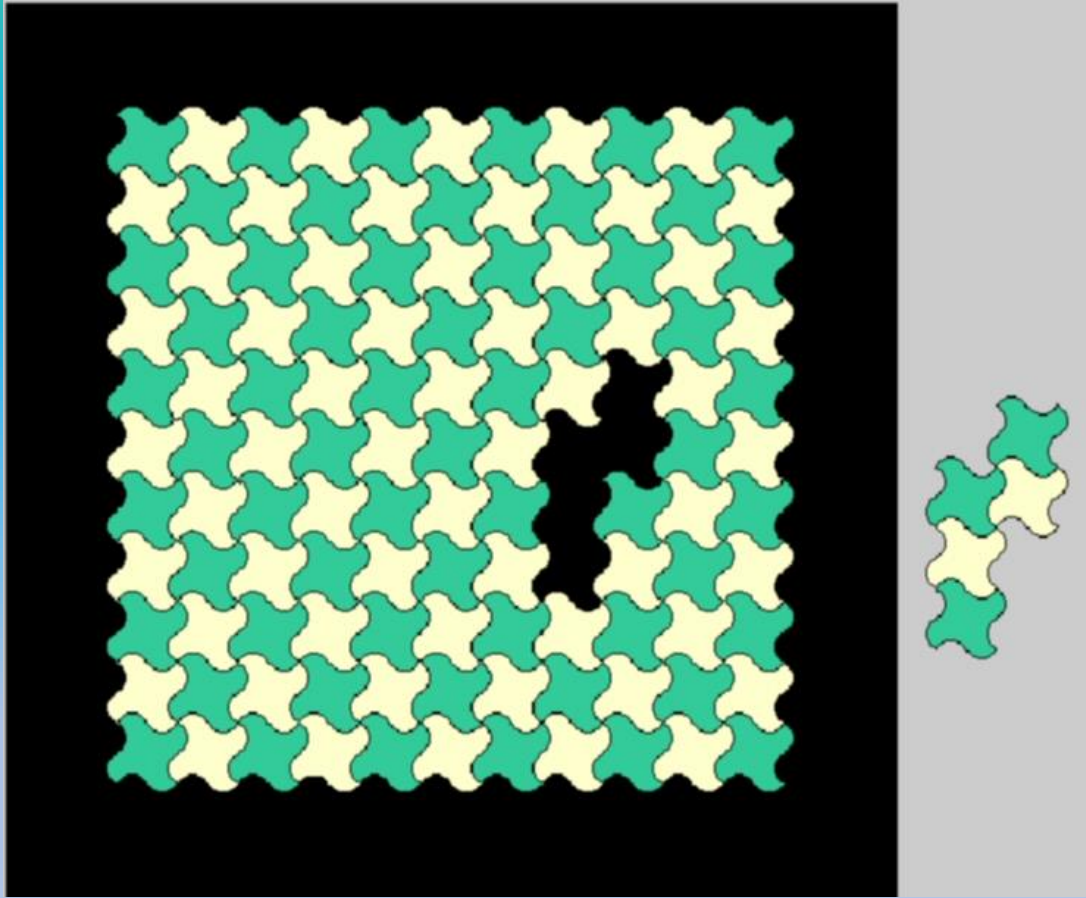
And elegant entertainment of all time.





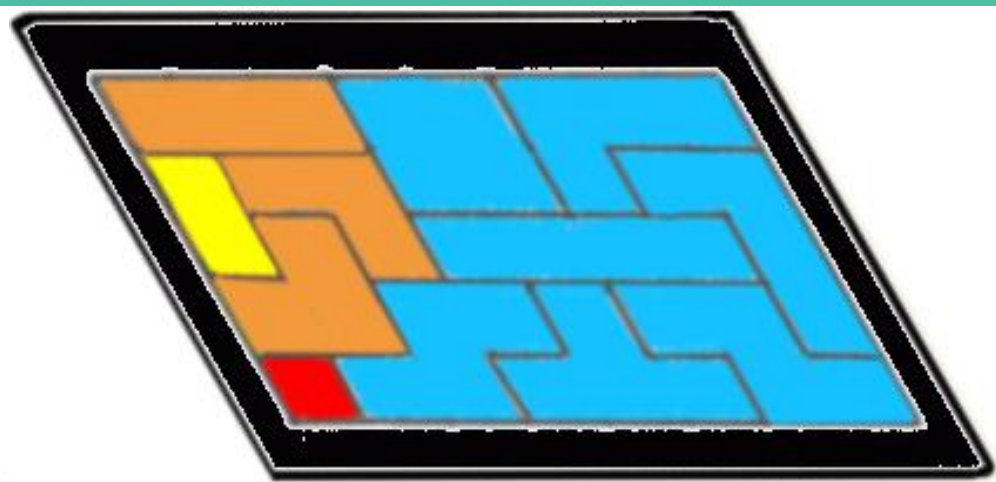
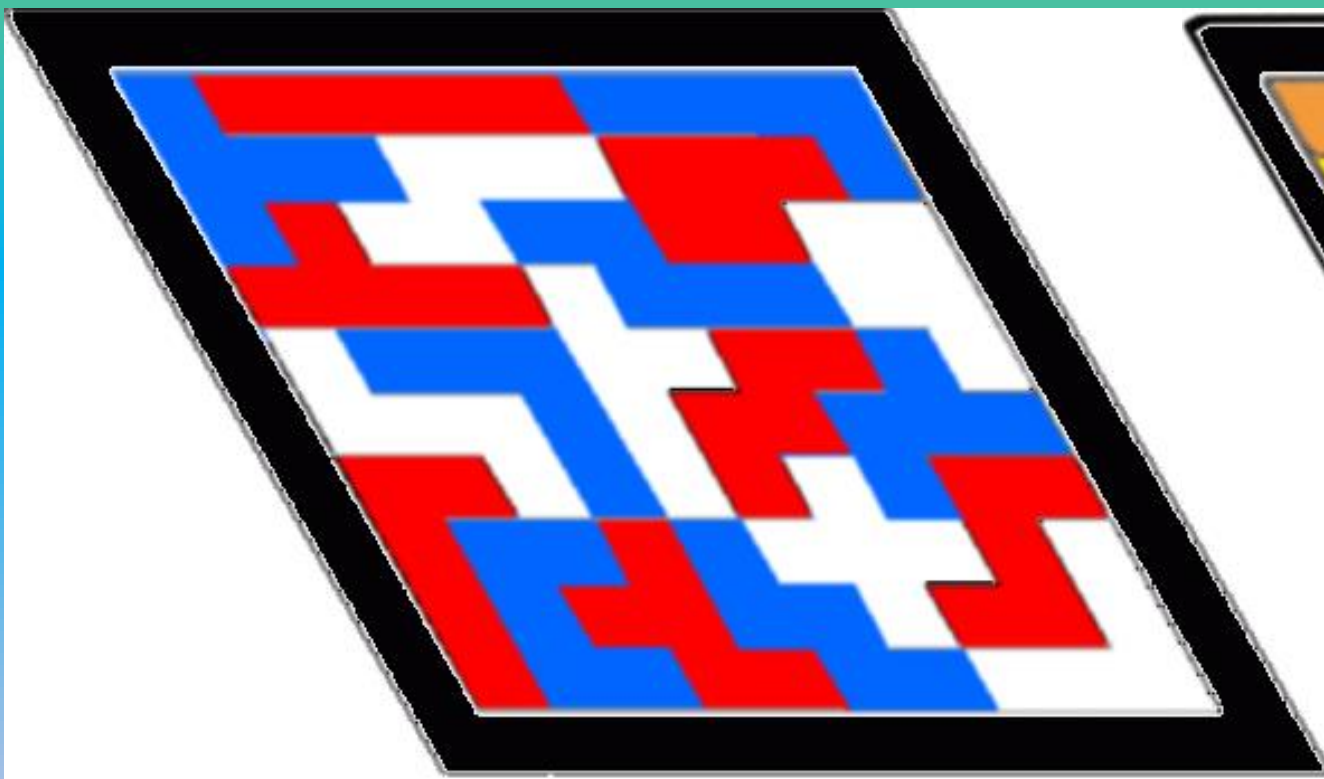
Hexacube

Now to the limits of one's fortitude,
One hundred sixty-six wood blocks allude,
Each block of six cubes differently enscrolled,
A giant 10-cube all of them will hold,
With four "wild" single cubes therein dispersed.
Be this the grandest set for which you thirst?



Dual Quintachex®

This checkerboard holds mirror opposites.
With curvy edges each piece finely fits.
Therein the dual quints, reposing, pine
For no two mates adjacently recline.
Perchance thy wit and heart be so inclined
To help them snuggle up to their own kind?

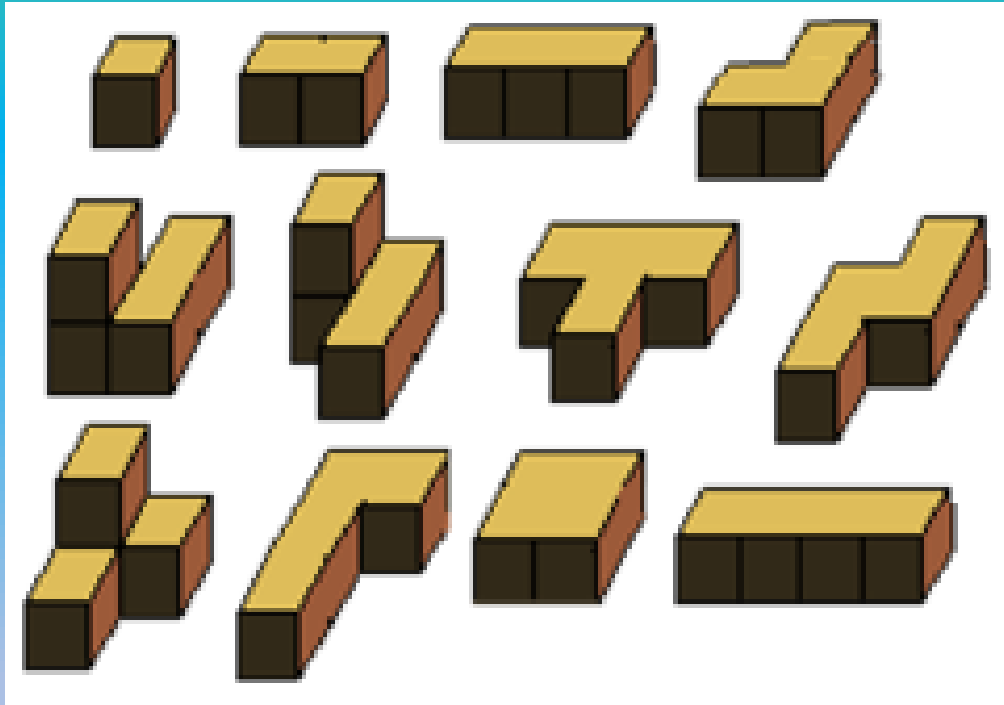


Rhombiminoes®

We fathom that 8 million ways say 'yay'
Assembling all the rhombi in the tray.
Yet even one confounds the solver's quest
And renders every solved array a test.

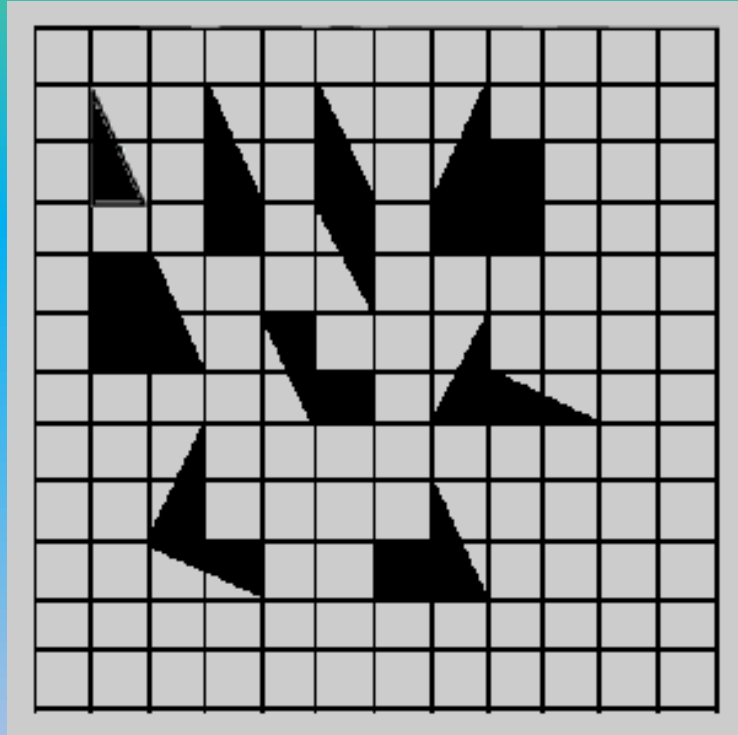
Rhombi IR™

The little brothers, measured 1 to 4,
Warm up your skills – they're easier to score.



Poly-4™

The start of polycubes, from one to four,
Makes a fine warm-up for this 3D lore.
Build countless shapes or play an easy game,
No two adventures ever are the same.
Now count them, 41 cubes to append,
This prime will tease your solving without end.



Shardinaires - 9™

by George Sicherman

Behold, dissection at its highest skill

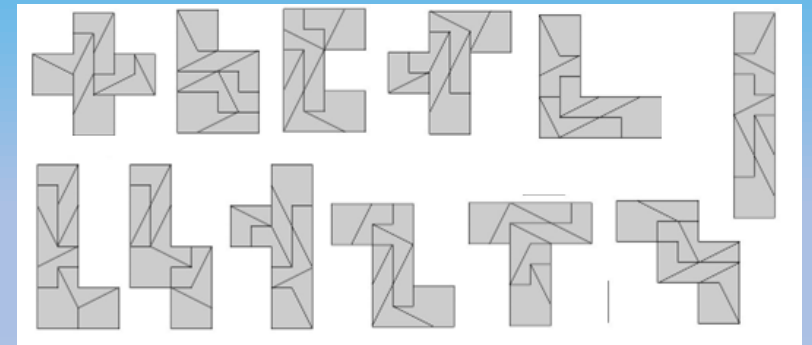
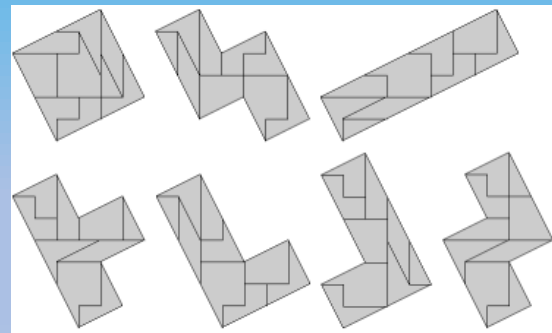
Nine shard-like sections yields, each shape to fill.

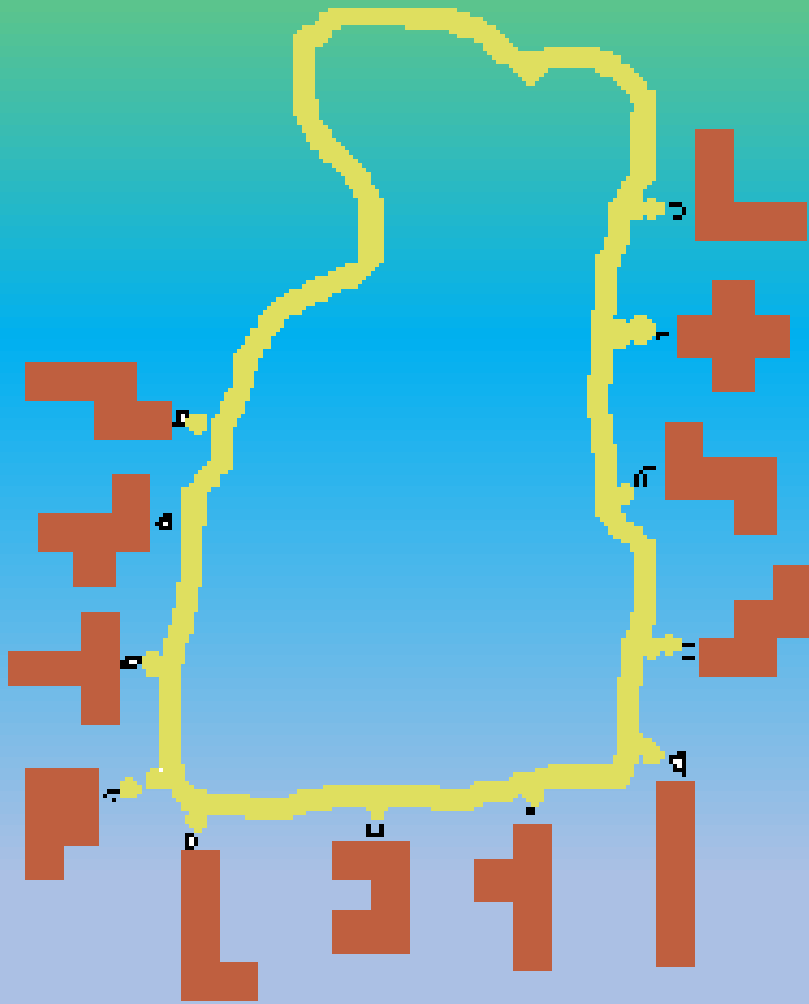
With one assembly five squares twelve ways tame,

And then, with twisting effort, four squares frame.

Imagine that — five equals four — it's true!

That's mathematic magic, through and through.

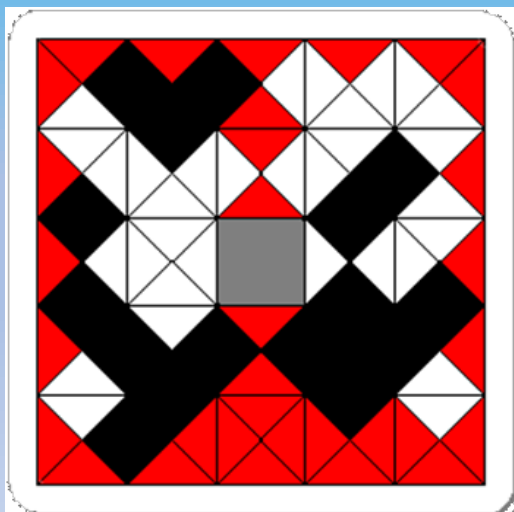
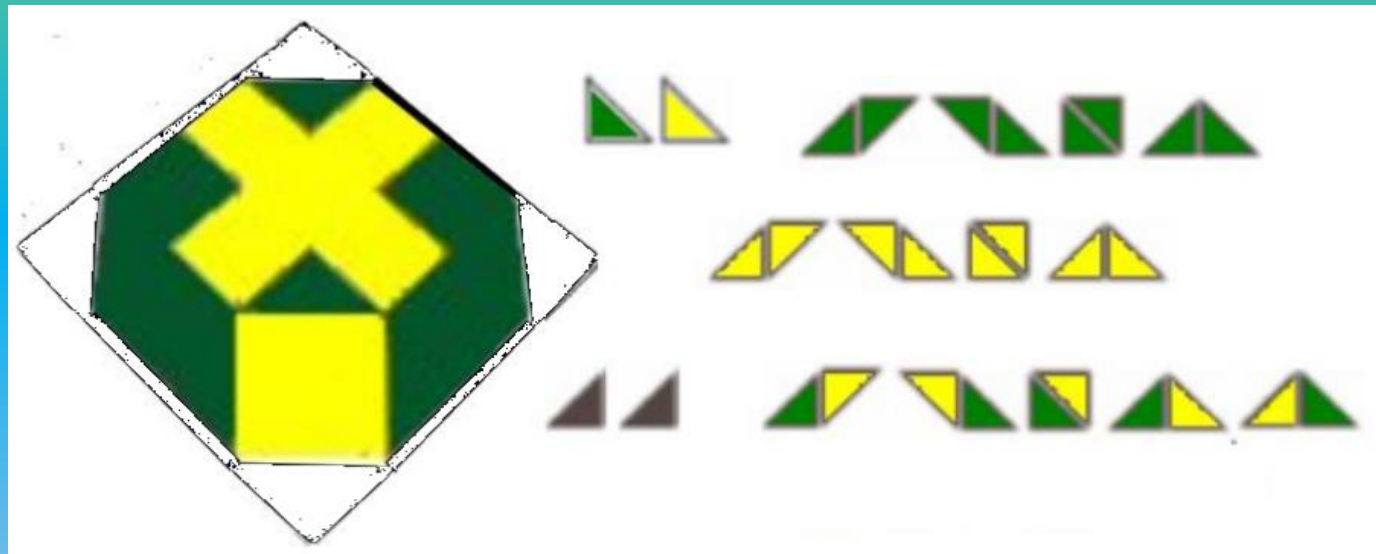




Pentomino necklace

A puzzle as adornment? Wear it proud,
A conversation piece to tease a crowd,
For it will solve a rectangle, indeed,
With chain attached, though table you may need.
Math teachers at conventions are a hit
When they converse with colleagues, wearing it.

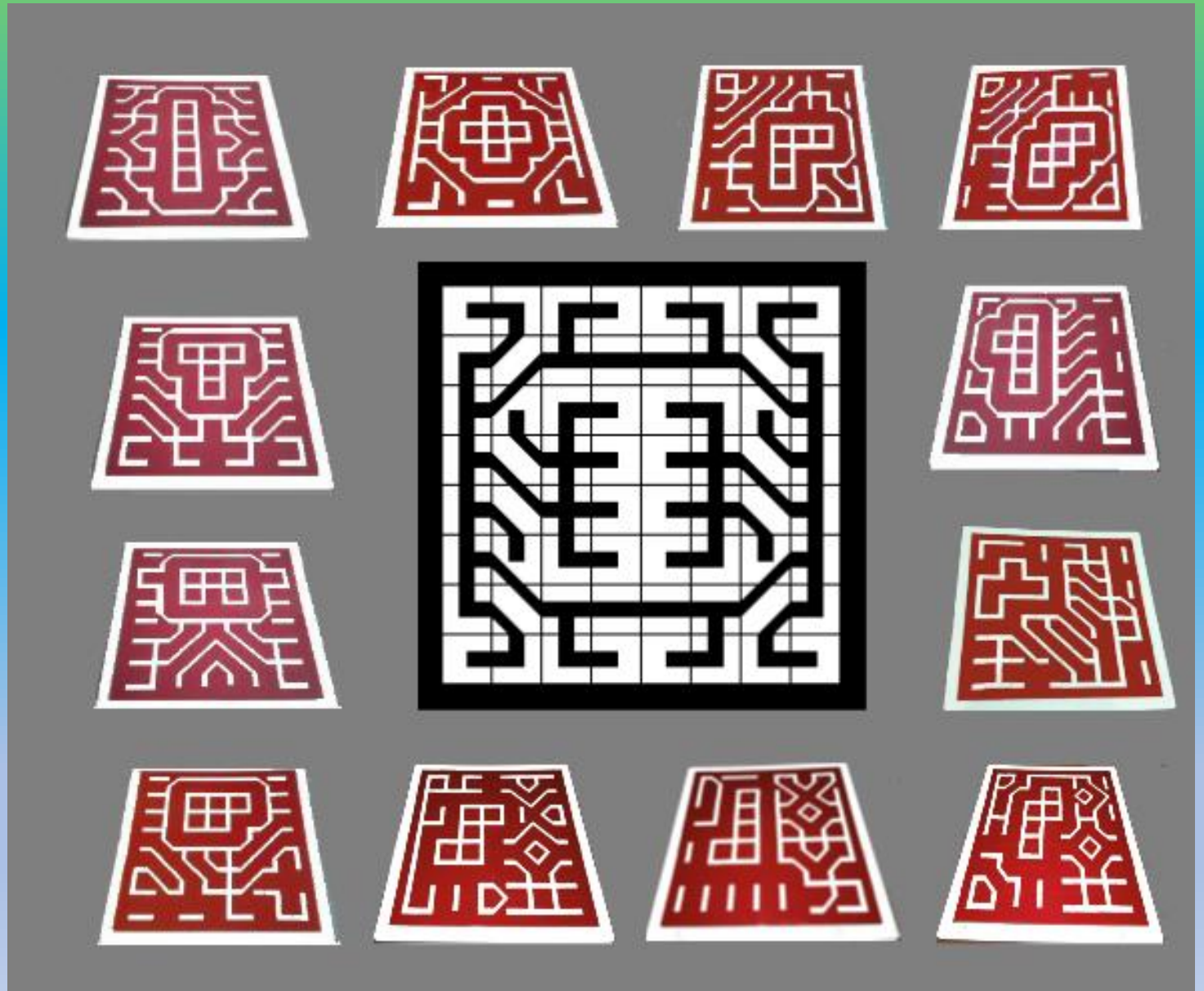
Puzzle sets that paint pentominoes



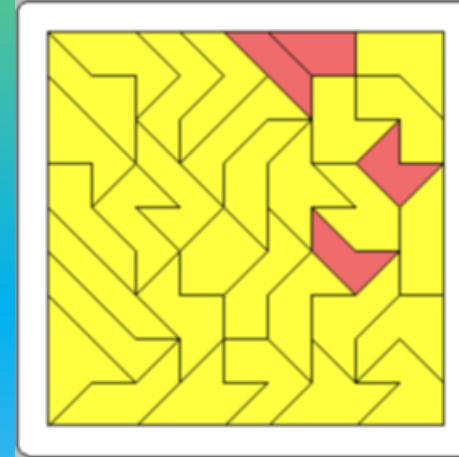
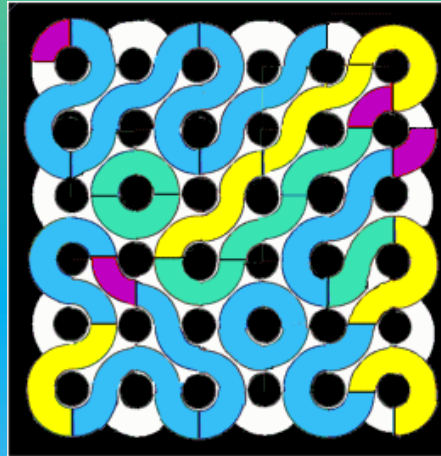
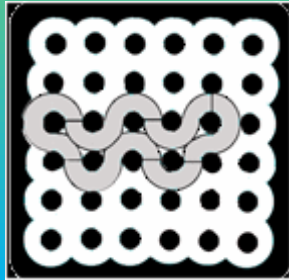
When shapes and colors merge in columns and rows,
You may find that they form pentominoes!
Right triangles in pairs disguised as squares
May paint pentominoes, too, smart affairs.

Design-8™

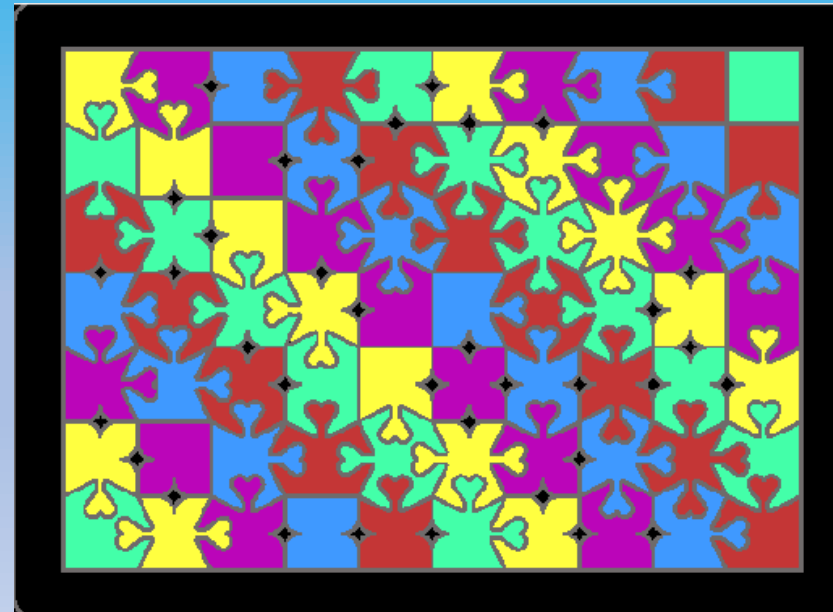
Amidst a maze of paths and
fences, find
Each of the 12 pentominoes
designed
To show their five squares
neatly formulated.
The puzzler solving them
was much elated.



Some of our other pentomino makers:

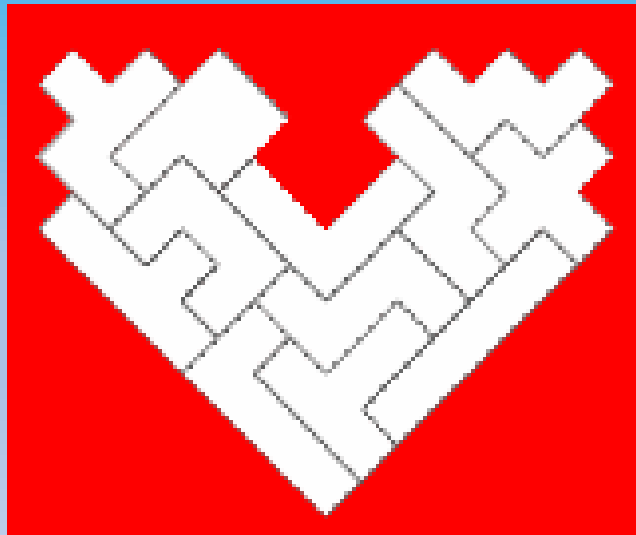


The fiveness of pentominoes appears
Upon surprising surfaces and tiers.
What deeply seated fives has nature brought
That echo many a geometric thought!
Behold these tessellations tinted fair,
How symmetries their mathematics share.
Arrange and rearrange, create new ways
To see how art in math with space-time plays.



Something there is in human minds that cherishes the five,
That sees the beauty of emerging order, good, true and alive.
That's how we build a consciousness, no end in sight,
And how we build the future in growing wisdom's light.

Every singularity longs for an endless goal,
And thus pentominoes exhibit the Universe's soul.
Now let us trace one further megathought above
And call such combinatorial joinings—love.



***See all our pentomino makers on our website,
www.gamepuzzles.com***

Thank you!

Kate Jones

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