Sweet Symmetries

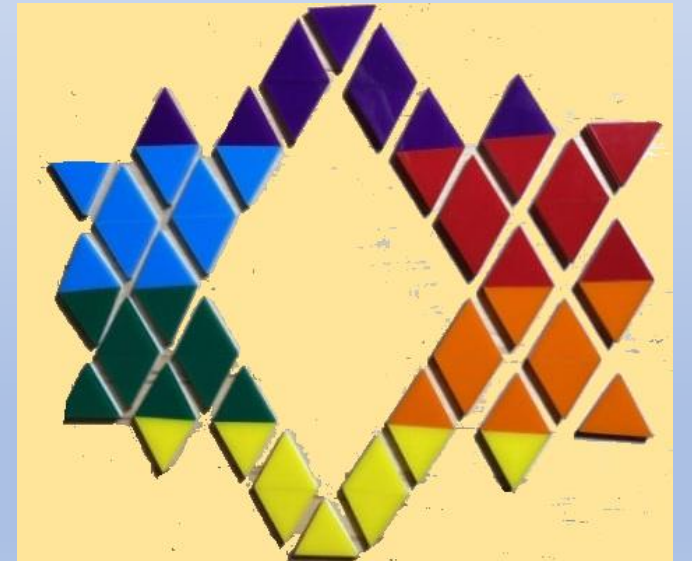## A gallery of gamepuzzles — "math as art"
by Kate Jones

Kadon Enterprises, Inc. * www.gamepuzzles.com

Presented at the Symmetry Festival
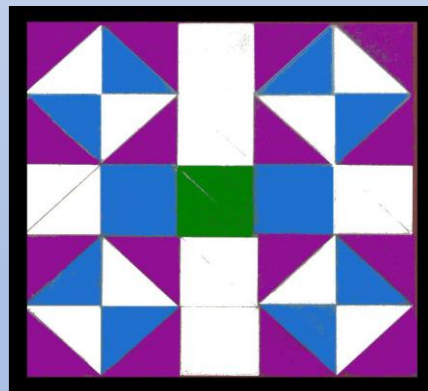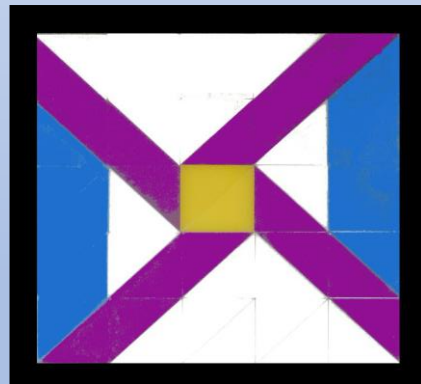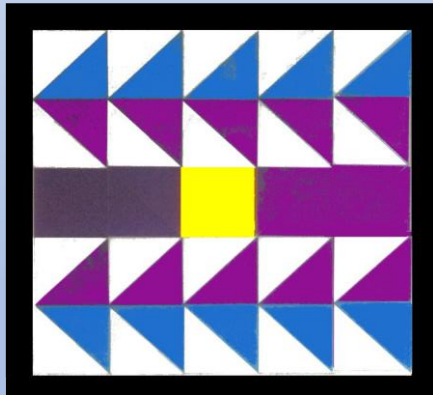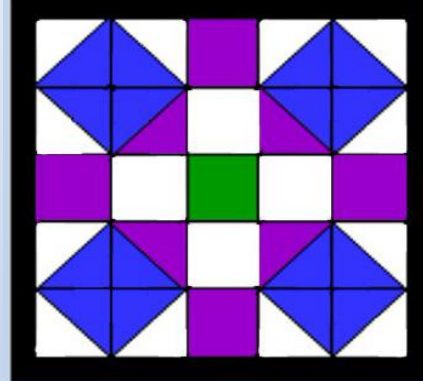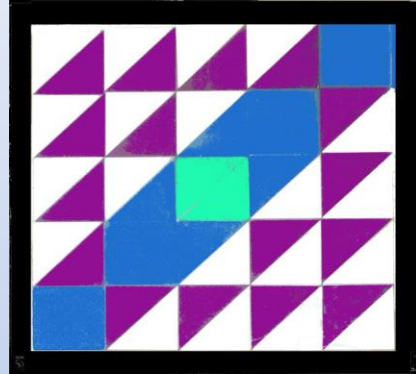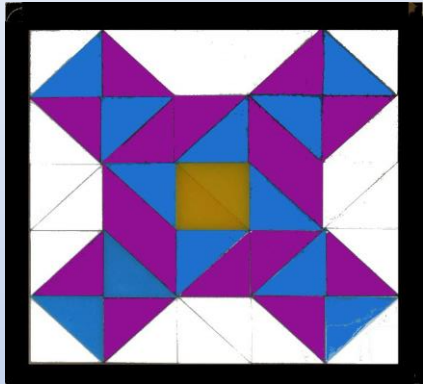July 9-12, 2021 — Sofia, Bulgaria

Diamond Rainbow™

Two dozen diamonds, gleaming bright,
Pair the colors of rainbow's light
As symmetries of shape and hue,
In the tray and free form, too.

Anneke Treep

Tangled Triangles™

Two to the fourth,
  times three cool hues,
Triangles delight
  your views
With kaleidoscope-like
  twists and turns:
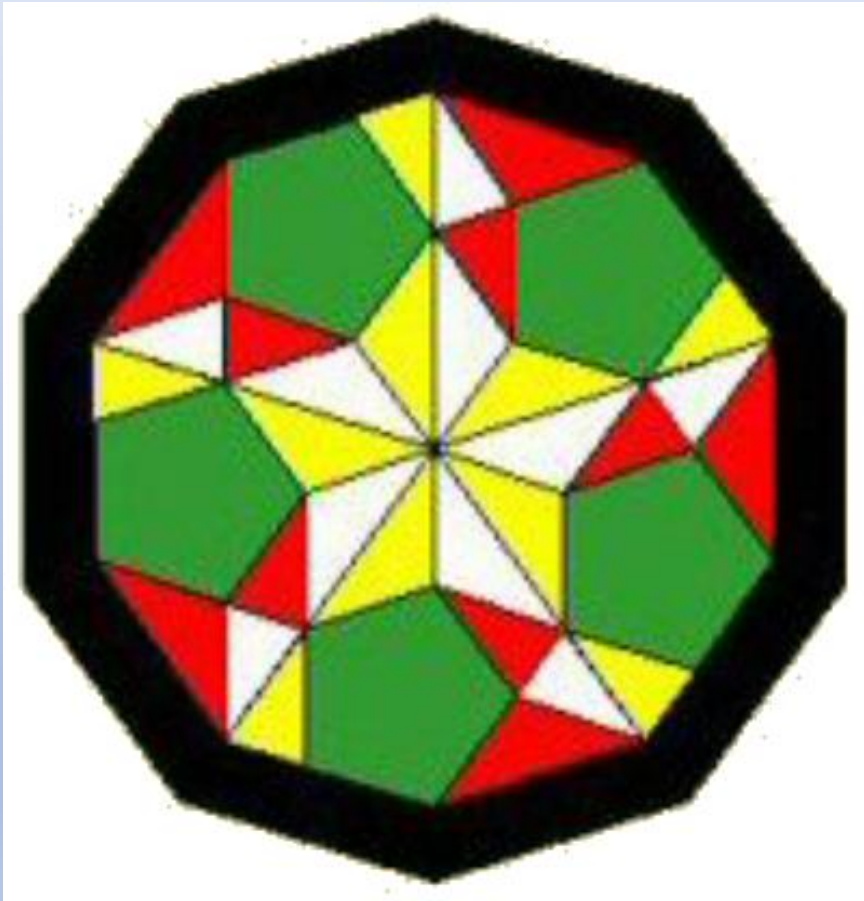For symmetry
  our spirit yearns.

Kate Jones

Rombix™ Jr.

Dissect an octagon with neat
Parallel lines, and rhombs you meet.
Singles and pairs four colors mix
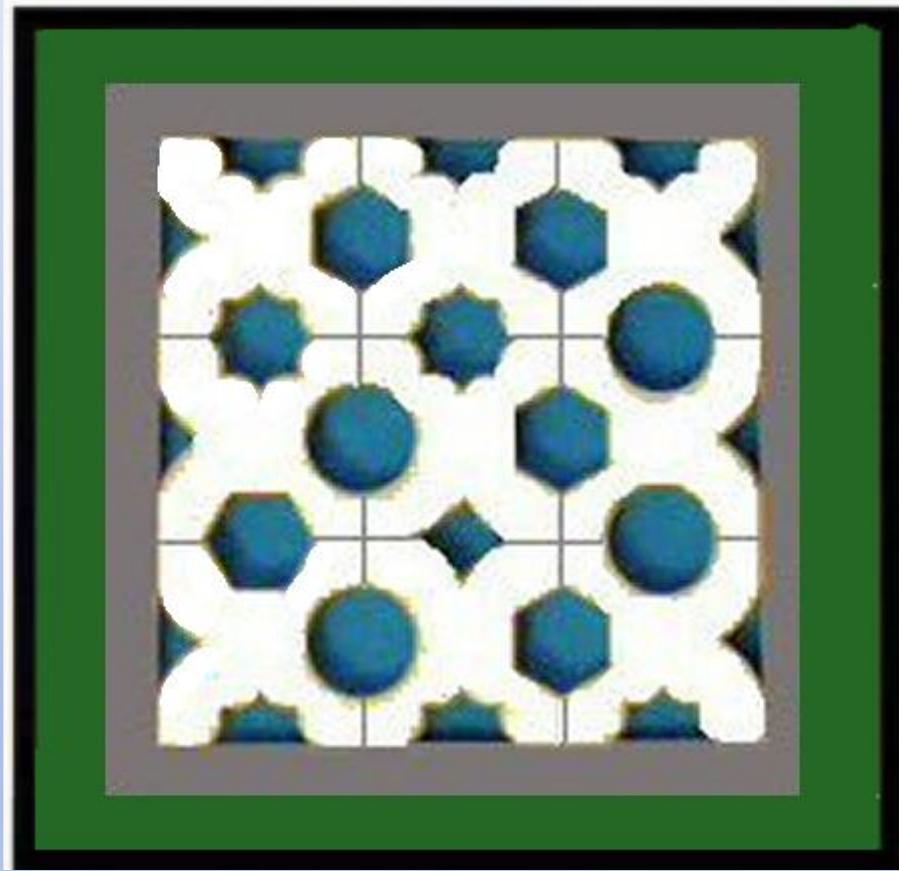In swirls of symmetrical tiling tricks.

Alan Schoen
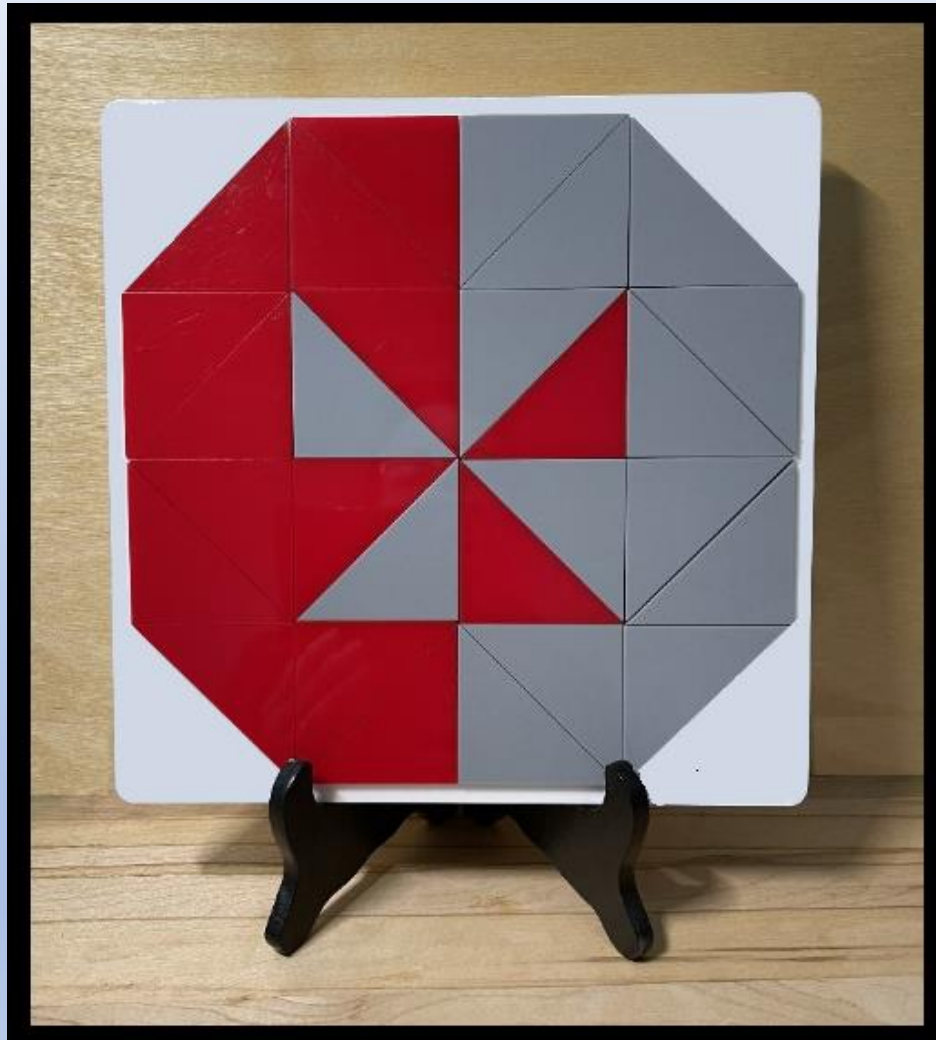
DekaMosaik™

Fifteen each of tall and wide
Triangles their ratio hide
While pentagons that harbor *phi*
Show five-fold golden symmetry.

Kate Jones

MiniTouch™ I
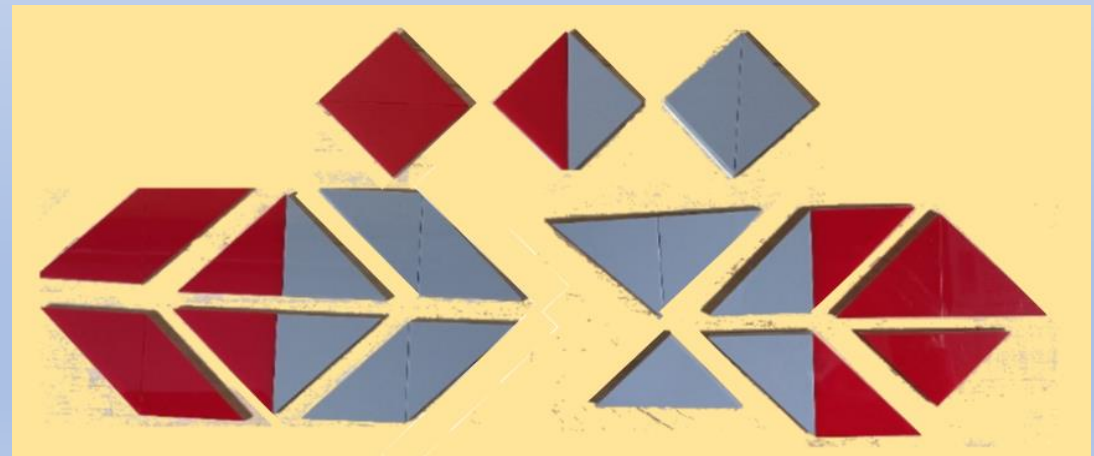

Nine well-carved tiles you play by feel:
Find two halves to match with zeal
That twelve symmetric spaces grow
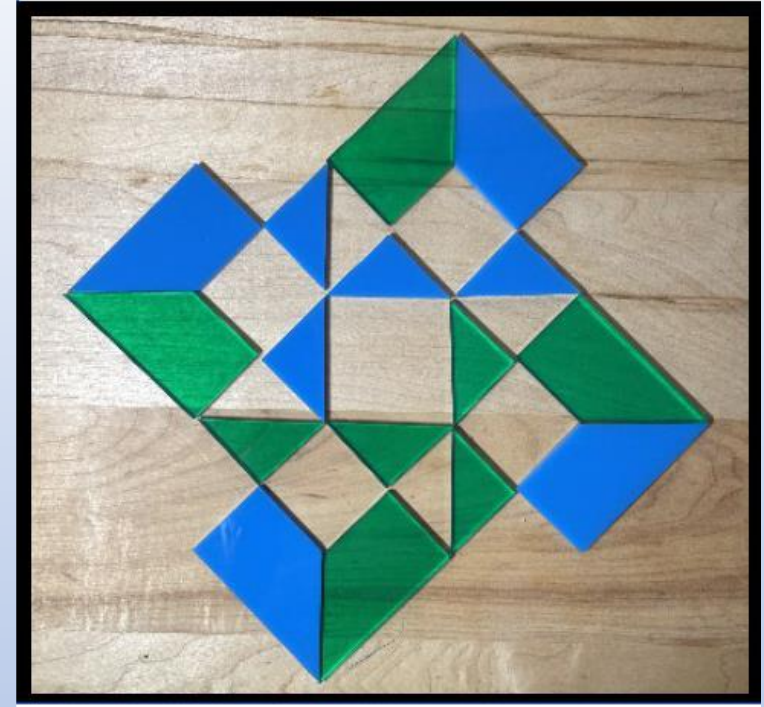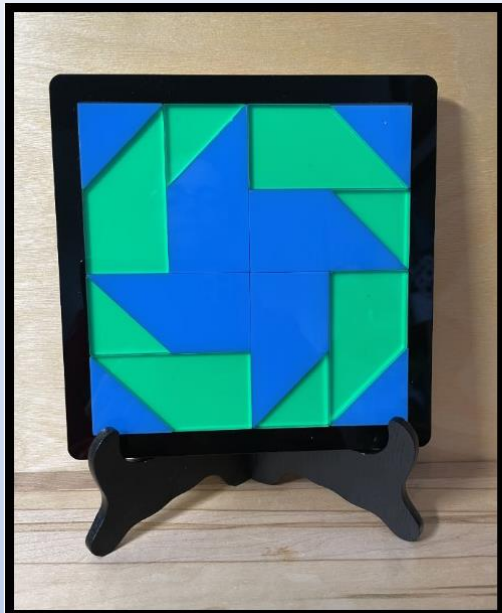And opposite edges together flow.

Elijah Allen

Triangoes™ Jr.

Fifteen tiles of Tangram's kin
Two colors wear, and beauty win.
Form octagons and endless lines
That yin yang symmetry defines.

Manuel Garcia
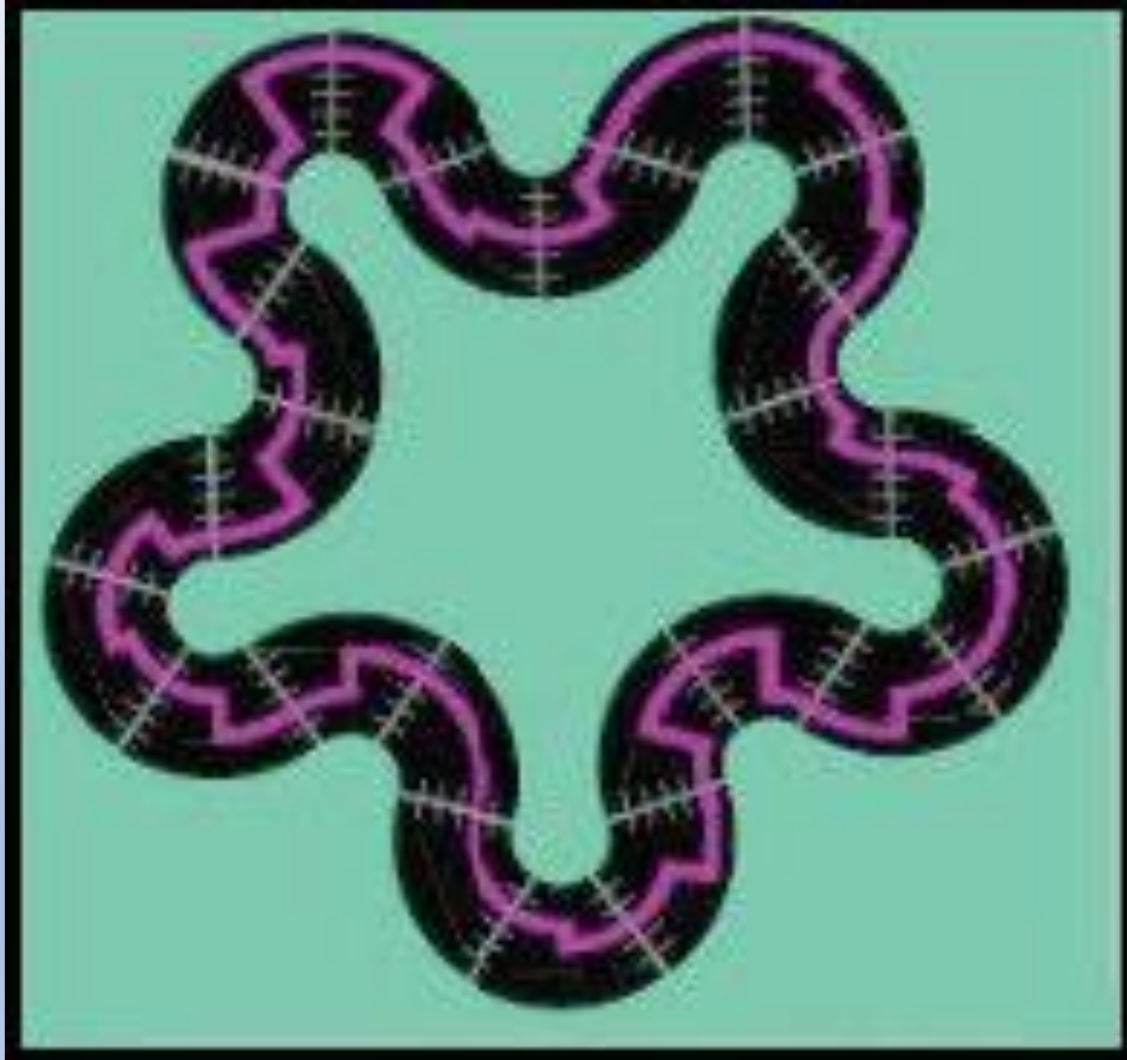
Chasing Squares™

Triangles and sheds, in eights--
Solving them much patience rates
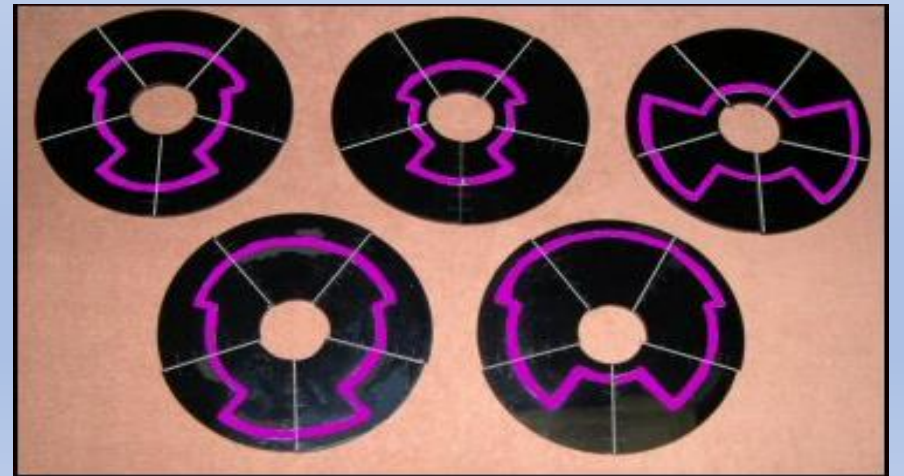As color symmetry compares
To forming a maximum of squares.

What is a square? Four open edges
Any size, just trace their ledges.
An empty square of negative space
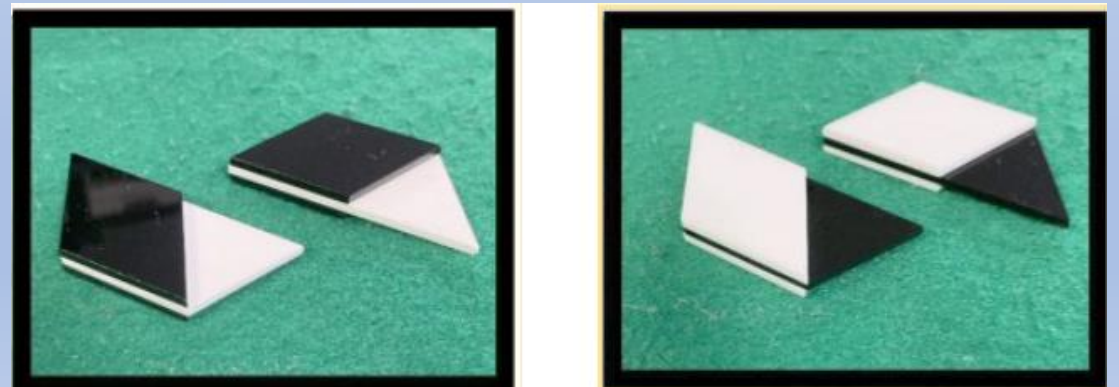Counts for your scoring in this race.

Jeremiah Farrell

Arc Angles™

The golden ratio leaves its mark
On shape and path of every arc.
Five and twenty tiles extend
Symmetry at every bend,
Whether a curvy pentagon
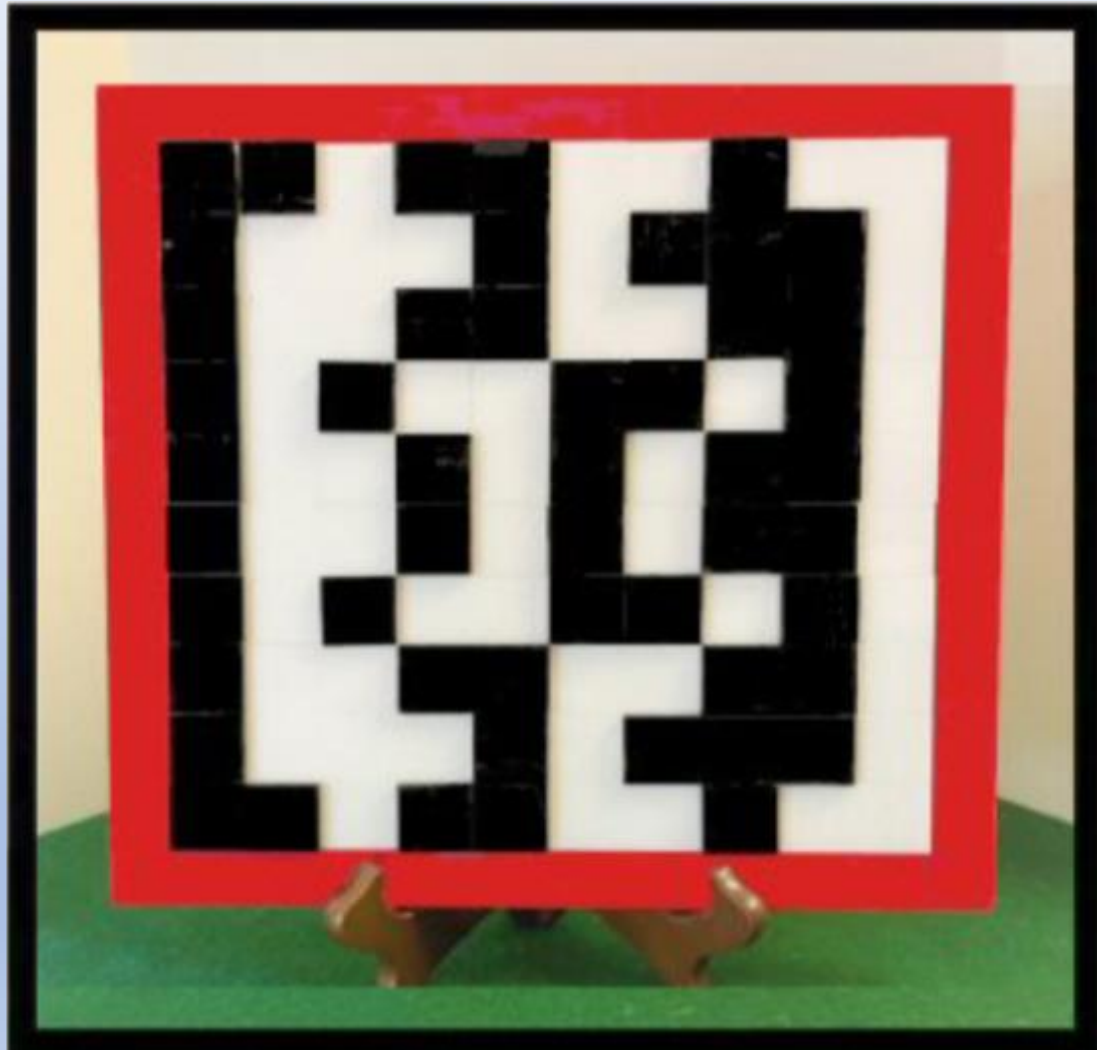Or five small rings to match upon.

Kate Jones

Intarsia™

Trapezoids in black and white,
Sixteen each more dark or light,
Gloriously weave a spell
Of symmetry your skill will tell.

Henrik Morast

Quintapaths™

Twenty sticks, with black bedeck'd,
Their hundred units intersect
To lure grand symmetries to hand,
The fairest forms in all the land.

Scott Kim

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