




A 119 Year Quest to understand Tessellating, Convex, Irregular, Pentagons



- 1900 *David Hilbert sets the challenge*
- 1918 *Karl Reinhardt names **5** kinds of pentagons that tessellate.*
- 1968 *Richard Kershner finds **3** more and claims there are no others.*
- 1975 *Martin Gardner published Kershner's claim in Scientific American and two readers responded*
- 1975-77 *Marjorie Rice, self-taught mathematician adds **4** new types of tessellating pentagons and Richard James finds another **1** new type.*
- 1985 *Rolf Stein finds **1** more*
- 2015 *Mann and Derau working together find **1** more*
- 2017 *Rao proves that there are no more.*
- 2019 _____ learns about the _____ tessellating pentagons and makes a creative design with type number _____.
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