

Geometric Puzzles for All Ages

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I will share many puzzles, at many levels of difficulty, involving tangrams and pentominoes.

Spoiler alert: along the way, I will reveal the answers to some questions.

Workshop Links

During or after the workshop, you may want to access virtual manipulatives:

[Tangrams](#) | [Virtual Grid Paper](#) | [Pentominoes](#)

Student shares from an online version of this workshop:

[Tangrams Screenshots](#) | [Pentominoes Screenshots](#)

I will reference these PDFs:

[Tangram Polygons](#) | [Three-Pentomino Puzzles](#) | [One-Inch Grid Paper](#)

More

[Geometric Puzzles in the Classroom](#) is my main article on this topic.

[Puzzles in Math Education](#) provides a philosophical framework.

Possible hands-on introduction to tangrams: [Tearing Tangrams](#)

More on pentominoes:

[Pentomino Labs](#)

[Tiling Rectangles with Pentominoes](#) (puzzles on grid paper)

Taking it further: [Supertangrams](#) | [Rep-tiles](#)

Finally, these links lead to lots of free relevant materials:

[Geometric Puzzles](#)

[Geometry Labs](#) (especially Ch. 2, 4, 8, 10)

[Polyomino Lessons](#) (puzzles on grid paper)

[Symmetry](#)

[Manipulatives](#)

[For a Tool-Rich Pedagogy](#)