

Math Teachers' Circles: Some Suggestions

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Problems / microworlds I referenced

Polyomino perimeter: Labs 8.1 to 8.3 in *Geometry Labs*

<https://www.mathed.page/geometry-labs>

Geoboard: <https://www.mathed.page/geoboard>

Staircases: <https://www.mathed.page/teachers/staircases.pdf>

Egyptian fractions: <https://www.mathed.page/early-math/egyptian.pdf>

Geoboard diagonals: Lesson 11.3 in *Algebra: Themes, Tools, Concepts*

<https://www.mathed.page/atcc/lessons/ch.11/11.03-stairs-squares.pdf>

Other problems / microworlds I've used at MTC's

Geometric puzzles: <https://www.mathed.page/puzzles/puzzles.html>

Pattern blocks: <https://www.mathed.page/manipulatives/pattern-blocks>

Abstract algebra: <https://www.mathed.page/abs-alg>

Taxicab geometry: <https://www.mathed.page/geometry-labs/labs/taxicab-geometry.pdf>

Function diagrams: <https://www.mathed.page/func-diag>

McNuggets: <https://www.mathed.page/atcc/building.pdf>

Map coloring: <https://www.mathed.page/puzzles/maps>

About teaching

Several articles about teaching students — mostly also applies to working with teachers:

<https://www.mathed.page/teaching>

About hints: <https://blog.mathed.page/2015/05/01/about-hints/>

(and follow the links therein)