

Welcome

Teaching Through Problem-Solving is a teaching approach that helps students develop mathematical practices and habits of mind as an integral part of mathematics learning. Teaching Through Problem-Solving (*mondai kaiketsu gakushu*) is widely practiced in Japan and has sparked the interest of U.S. teachers as a way to build the mathematical practices found in the [Common Core State Standards for Mathematics \(“CCSS-M”\)](#), such as making sense of problems and constructing viable arguments.

This website provides resources to support Teaching Through Problem-Solving, including lesson video, mathematical tasks, and unit plans. Teaching Through Problem-Solving is always integral to learning a particular mathematical topic. The toolbar tabs “fractions” and “area of polygon” provide step by step support to study Teaching Through Problem-Solving in the context of these two mathematical topics, and to plan and conduct a series of Teaching Through Problem-Solving lessons on each. We recommend that you work with a group of colleagues (for example, a lesson study group) as you use these resources. The links on the right enable you to quickly revisit particular types of resources (for example, lesson plans).