INSTRUCTIONAL STRATEGIES



Create the Problem

This mathematics-focused instructional activity has students create a hypothetical problem that matches a given real-world solution.

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CREATE THE PROBLEM

Summary

After being presented with a mathematical equation or solution, students create a problem that would require that equation or solution to solve, exercising their problem solving and critical thinking skills.

Procedure

1. Choose a mathematical equation or solution and present it to the participants.
2. Participants create a problem that might have resulted in such a solution or required that particular equation to solve.
3. Participants share their problems and justify why their example matches the original problem.

Keeley, P., & Tobey, C. (2011). #11. Create the problem. In Mathematics Formative Assessment: 75 Practical Strategies for Linking Assessment, Instruction, and Learning (p. 80). Thousand Oaks, CA: Corwin, SAGE.