

A CGI Approach to Integers: Helping Teachers Structure Their Intuitive Knowledge About Children's Understandings of Negative Numbers

Annual Leadership Seminar on Mathematics Professional Development hosted by Teachers Development Group, February 14, 2014
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Solve each of the following problems and describe how you thought while solving. See if you can solve the problem in more than one way. **Then** rank the problems from easier to harder on the basis of the difficulty level for a typical 4th grader.

<i>Problem</i>	<i>Record your thinking</i>	<i>Relative Difficulty for 4th grader</i>
1) $3 - 5 = \square$		
2) $-6 - -2 = \square$		
3) $-2 + \square = 4$		
4) $\square + -2 = -10$		

Project Z: Mapping Developmental Trajectories of Students' Conceptions of Integers

This work is supported by the National Science Foundation under grant number DRL-0918780. Any opinions, findings, conclusions, and recommendations expressed in this material are those of the authors and do not necessarily reflect the views of NSF.