

Problem-Solving Reflection Questions

<p>Understand</p> <ul style="list-style-type: none"> • Do I understand all the words in this problem? • What is the story in this problem about? • What is the problem asking? • What information is given to me in this problem? • Which information in the problem is relevant? 	<p>Plan</p> <ul style="list-style-type: none"> • In what ways is this problem similar to other problems I have solved before? • What are the various ways that I might approach this problem? • Is there a picture or diagram that might help me solve the problem?
<p>Evaluate</p> <ul style="list-style-type: none"> • Does the solution make sense? • How can I verify the solution? • Why did these steps work or not work? • What would I do differently next time? 	<p>Solve</p> <ul style="list-style-type: none"> • Is my approach working? • If I am stuck, is there another way that I can think about solving this problem?

Reference

Woodward, J., Beckmann, D., Driscoll, M., Franke, M., Herzig, P., Jitendra, A., et al. (2012). *Improving mathematical problem solving in grades 4 through 8: A practice guide* (NCEE 2012-4055). Washington, DC: National Center for Education Evaluation and Regional Assistance, Institute of Education Sciences, U.S. Department of Education. Retrieved from https://ies.ed.gov/ncee/wwc/Docs/PracticeGuide/MPS_PG_043012.pdf#page=23.