

*Teach and Learn
Math Problem Solving
in Home School*

Guidance for Parents and Students



John R. Dixon

This Changes Everything!

Guidance for Parents and Students

Teach and Learn Math Problem Solving in Home School

- Over 200 solved problem examples.
- Problem types and their solution processes are made explicit and transparent for teachers and learners.
- Examples are organized into five classes for convenient selection and concentration:
Pattern Recognition, Counting, 'Word' Problems, Optimization, and Recreational.
- Examples are organized into three levels of difficulty: *Easier (Grades 6 through 8), Moderate (Grades 8 through 10), and Harder (Grades 10 through 12.)*
- "Word" problems of all classes and levels of difficulty are solved by a single generalized analysis process which can be taught by parents and learned by students.
- Supplementary Skills' Chapters on Graphing, Converting Units, Triangles, and 'Per' Problems.
- 'Do It Yourself' Problems With Separate Solutions; Tests with Answers For Each Chapter.

*Use the book as a text, as a guide for parents who teach,
or as a self-teaching guide for students.*



About the Author

John R. Dixon is a retired engineering professor and high school algebra teacher. He has received two outstanding teaching awards, served at National Science Foundation, and had written both technical and fiction books. For more information, see the page 6, or visit the website.

www.JohnRDixonBooks.com