

Explorations in Problem Solving – Algebra

Introduction

Welcome to "Explorations in Problem Solving - Algebra". If you would like to learn more about the nature of mathematical problem solving, we welcome you to this tutorial. We seek to explore the nature of math problem solving in a fundamental sense, and to explore terms such as "multiplication" and "division" that we use often but seldom stop to think about what they truly mean. We explore units, conversion of units, the well known equation $D = RT$, algorithms and much more.

Extracting the Files, Running the Program

- Extract the contents of Algebra.zip by right-clicking the file and selecting "Extract All". We suggest you extract the contents of the file to a new folder named "ALGEBRA".
- To begin the program, open the "ALGEBRA" folder and double-click ALGSTART.exe. A menu will appear and we suggest you start by beginning with the first lesson - "1 – Description of Intelligent Tutor Problem Solving". The lesson explains keyboard shortcuts and gives an overview of the course.