

## 2014 GED® Test - Mathematical Reasoning Performance Level Descriptors: Performance Level 3

This resource was created by GED Testing Service to help you understand the skills a test-taker needs to score at Performance Level 3 on the 2014 GED® test – Mathematical Reasoning.

Test-takers who score at Performance Level 3 typically have an outstanding proficiency in demonstrating skills in the following categories: number sense and computation, geometric measurement, data analysis and statistics, and algebraic expressions and functions.

Test-takers who score in this performance level generally demonstrate the skills identified in Performance Level 1 and Performance Level 2 as well as the following skills:

### **Quantitative problem solving with rational numbers**

- Use scale factors to determine the magnitude of a size change, and convert between actual drawings and scale drawings, at an outstanding level.
- Solve two-step, arithmetic, real world problems involving ratios, proportions, and percents at an outstanding level.

### **Quantitative problem solving in measurement**

- Compute the area and perimeter of composite figures.
- Represent, display, and interpret categorical data in dot plots, histograms, and box plots, at an outstanding level.
- Determine the probability of simple and compound events.

### **Algebraic problem solving with expressions and equations**

- Write linear expressions at an outstanding level.
- Solve inequalities at an outstanding level.

### **Algebraic problem solving with graphs and functions**

- Determine the slope of a line from a graph, equation, or table at an outstanding level.
- Compare properties of two different proportional relationships or two linear or quadratic functions each represented in a different way at an outstanding level.