Proportional Reasoning: Fundamental Big Ideas

I. Proportional reasoning goes beyond “proportion.”

II. Proportional reasoning involves prerequisite fundamentals and foundation blocks.

III. Proportionality is based on relationships and multiplicative reasoning.

IV. Proportional reasoning exists in covert settings.

V. Students need experience with two-dimensional and three-dimensional change.

Understanding three-dimensional change

Understanding two-dimensional change

Understanding one-dimensional change

Understanding multiple concepts including fractions and all that entails