**Florida Department of Education**

**Adult General Education Curriculum Frameworks Effective July, 2015**

**GED® Mathematical Reasoning**

**-------------------------------------------------------------------------------------------------------------**

**Q.3 Calculate and use ratios, percents, and scale factors**

Q.3.a

Compute unit rates. Examples include but are not limited to: unit pricing, constant speed, persons per square mile, BTUs (British thermal units) per cubic foot.

Q.3.b

Use scale factors to determine the magnitude of a size change. Convert between actual drawings and scale drawings.

Q.3.c

Solve multistep, real-world arithmetic problems using ratios or proportions including those that require converting units of measure.

Q.3.d

Solve two-step, real-world arithmetic problems involving percents. Examples include but are not limited to: simple interest, tax, markups and markdowns, gratuities and commissions, percent increase and decrease. A.3 Write, manipulate, solve, and graph linear inequalities

**Q.6 Interpret and create data displays**

Q.6.a

Represent, display, and interpret categorical data in bar graphs or circle graphs.

Q.6.b

Represent, display, and interpret data involving one variable plots on the real number line including dot plots, histograms, and box plots.

Q.6.c

Represent, display, and interpret data involving two variables in tables and the coordinate plane including scatter plots and grants.