

**MATHEMATICS SKILLS**  
**Level 6.0 – 8.9 (Pre-GED) LCP E**

PLEASE CHECK CORRESPONDING BOX AS EACH STANDARD IS ACHIEVED.

<input type="checkbox"/> <b>STANDARD 05.0</b> <b>Drawn From the FLORIDA PRE-GED CURRICULUM CHECKLIST</b>			
Skill	MHC Book Title	Page	√
Instructor: _____ Date: _____			
Benchmarks:			
05.01 Add, subtract, multiply and divide with whole numbers. (MA.A.1.3.1, MA.A.3.3.3)	Pre-GED Mathematics MHC Interactive: Pre-GED  Complete Pre-GED	Ch.1, ex.3 pp.14-15 Unit 1, Lessons 3, 4, 5, 6  657-675	
05.02 Add, subtract and multiply with common fractions. (MA.A.1.3.1, MA.A.1.3.2, MA.A.3.3.3)	Pre-GED Mathematics  MHC Interactive: Pre-GED Complete Pre-GED	p.80 ex.1 p.83 ex2 p.92 ex7 p.95 ex 8 p.100 ex 11 p.102 ex 12 p. 107 ex 15  Unit 3, Lesson 3, 4, 5, 6  729-743	
05.03 Add, subtract, multiply and divide with decimals. (MA.A.1.3.1, MA.A.1.3.2, MA.A.1.3.3)	Pre-GED Mathematics  MHC Interactive: Pre-GED Complete Pre-GED	p.69 ex7 p.72 ex8  Unit 2, Lesson 2, 3, 4, 5 716-720	
05.04 Calculate the solutions of number problems involving percents. (MA.A.1.3.1, MA.A.1.3.4, MA.A.3.3.2)	Pre-GED Mathematics  MHC Interactive: Pre-GED Complete Pre-GED	p. ex3 p.139 ex6  Unit 5 753-765	
05.05 Calculate area, perimeter, volume, capacity, surface area and mass and solve problems involving customary and metric measurements. (MA.B.1.3.2, MA.B.2.3.1, MA.B.2.3.2)	Pre-GED Mathematics  MHC Interactive: Pre-GED Complete Pre-GED	p.227 ex7 p.228 ex8 p.231 ex9 p.233 ex10  Unit 7 801-812	

<p>05.06 Apply beginning principles of algebra including: ratio and proportion, operations with signed numbers, solving one-step algebraic equations, writing one-step equations from word problems, and simple formulas. (MA.D.1.3.1, MA.D.1.3.2, MA.D.2.3.1, MA.D.2.3.2)</p>	<p>Pre-GED Mathematics  MHC Interactive: Pre-GED  Complete Pre-GED</p>	<p>pp. 113-115 ex 1 pp. 116-117 ex2 pp.119-120 ex3 pp. 122 ex4  pp. 122-123 Review Unit 4, Unit 7  785-799</p>	
<p>05.07 Collect, organize and display data in tables and graphs, describing any patterns and relationships in the data. (MA.D.1.3.1, MA.D.1.3.2, MA.D.2.3.1, MA.E.1.3.1, MA.E.3.3.1, MA.E.3.3.2)</p>	<p>Pre-GED Mathematics  Complete Pre-GED</p>	<p>Circle Graphs p.171 ex 8 Bar Graphs p. 154 ex3 Line Graphs p.162 ex 5 Unit 6 769-777</p>	
<p>05.08 Use measuring tools and other devices such as rulers, protractors, scales, meters and gauges to collect data. (MA.B.1.3.1, MA.B.1.3.2, MA.B.2.3.1, MA.B.2.3.2, MA.C.1.3.1)</p>	<p>Pre-GED Mathematics MHC Interactive: Pre-GED Complete Pre-GED</p>	<p>219 Unit 7 801-805</p>	
<p>05.09 Plot graph of linear equation, identify the slope, the x and y-intercepts. Identify parallel and perpendicular lines, axes of symmetry, congruent and similar figures. (MA.C.2.3.1, MA.C.2.3.2, MA.C.3.3.1, MA.C.3.3.2, MA.D.2.3.1)</p>	<p>Pre-GED Mathematics MHC Interactive: Pre-GED</p>	<p>p. 206 ex 7 Unit 9, Lesson 5</p>	
<p>05.10 Construct and interpret graphs, charts, and tables. (MA.C.3.3.1, MA.C.3.3.2, MA.D.1.3.1, MA.D.1.3.2, MA.E.1.3.1, MA.E.1.3.3, MA.E.3.3.2)</p>	<p>Pre-GED Mathematics  Complete Pre-GED</p>	<p>Coordinate Plane Graphing p. 204-207 Bar Graphs pp. 153-155 Circle Graphs pp.164-172  769-777</p>	
<p>05.11 Find the mean, median, mode and range of a set of data in a problem situation. (MA.A.3.3.1, MA.A.3.3.2, MA.D.1.3.1, MA.D.1.3.2, MA.E.3.3.1)</p>	<p>Pre-GED Mathematics MHC Interactive: Pre-GED  Complete Pre-GED</p>	<p>144-148 Unit 8, Lesson 1  767-769</p>	
<p>05.12 Explain charts, graphs and tables found in newspapers and magazines. (MA.E.3.3.1, MA.E.3.3.2)</p>	<p>Pre-GED Mathematics Complete Pre-GED</p>	<p>149-172 769-777</p>	

05.13 Analyze real-world data by applying appropriate formulas for central tendency using appropriate calculator and/or computer technology. (MA.A.3.3.3, MA.E.1.3.3, MA.E.3.3.1)	Pre-GED Mathematics MHC Interactive: Pre-GED Complete Pre-GED	144-148 p. 181-problems 1-3 Unit 8, Lesson 1 767-769	
05.14 Use a scientific calculator to solve real-world problems. (MA.A.3.3.3, MA.E.1.3.3)	Pre-GED Mathematics MHC Interactive: Pre-GED Complete Pre-GED	27-32 Pre-Test, Post-Test, Lesson Quizzes, Unit Test 683-688	
05.15 Define and show examples of number properties, recognize effects of operations on numbers, , select the appropriate operation for solving a problem, and apply the correct order of operations. (MA.A.3.3.1, MA.A.3.3.2)	Pre-GED Mathematics MHC Interactive: Pre-GED Complete Pre-GED	193-195 34-40 Unit 6 689-702	
05.16 Use alternative response formats for displaying numerical and graphic solutions in grids and plots. (MA.A.1.3.3, MA.A.1.3.4)	Pre-GED Mathematics MHC Interactive: Pre-GED Complete Pre-GED	52-54 105-106 204-207 Unit 9, Lesson 5 703	
05.17 Use estimation to predict results of a calculation and check the reasonableness of the solution. (MA.A.4.3.1)	Pre-GED Mathematics MHC Interactive: Pre-GED Complete Pre-GED	21-25 44-45 62-63 Unit 1, Lesson 2 676, 678, 695, 715, 788	
05.18 Construct scale drawings and interpret diagrams and maps in real-life and workplace situations. (MA.B.1.3.4, MA.B.3.3.1)			
05.19 Develop a personal or business budget. (MA.A.3.3.1, MA.A.3.3.3, MA.B.3.3.1)			
05.20 Calculate the effect of deposits and withdrawals on a checking account balance. (MA.A.3.3.1, MA.A.3.3.2, MA.A.3.3.3)			
05.21 Complete simple tax forms. (MA.A.3.3.1, MA.A.3.3.2, MA.A.3.3.3)			

05.22 Calculate insurance costs and analyze benefits. (MA.E.2.3.1, MA.E.2.3.2, AT.3.1.3.2, AT.3.1.3.3)			
05.23 Calculate investment benefits using simple and compound-interest formulas and appropriate technology. (MA.A.1.3.3, MA.A.2.3.1, MA.A.5.3.1, SS.D.1.3.2, AT.3.1.3.2, AT.3.1.3.3)	Pre-GED Mathematics Complete Pre-GED	135 #1-11 763	
05.24 Select appropriate units and instruments of measurement to achieve the degree of accuracy and precision required in a real-life or workplace situation. (MA.B.4.3.1, MA.B.4.3.2)	Pre-GED Mathematics  MHC Interactive: Pre-GED Complete Pre-GED	pp. 213-219 Ex 1,2,3,& 4  Unit 7 801-805	

Source Material for this Pre-GED Framework/Checklist was taken from the Florida Department of Education Division of Workforce Development **ADULT EDUCATION CURRICULUM CHECKLISTS** web page at [http://www.firn.edu/doe/workforce/adult\\_ck.htm](http://www.firn.edu/doe/workforce/adult_ck.htm) and was effective 1 September 2002