



Project Excel GED Math Curriculum



Sources: Steck Vaughn *GED Mathematics*, Contemporary's *GED Mathematics*

Notes for using Math Curriculum check list found at <http://www.matematiko.com>

LEARNING OBJECTIVE How to	SOURCES	PAGES	U	M
Read, Write, and Round Numbers	Steck-Vaughn	34-35		
Compare, order, group numbers	Steck-Vaughn	36-37		
Increase Multiplication tables fluency	Matematiko.com	TABLES		
Choose the operation	Steck-Vaughn	38-39		
Use Whole Number Number-Lines	Steck-Vaughn	40-41		
Do Operations with whole numbers: add, sub, multiply, divide, check sheet	Steck-Vaughn	42-45		
Solve Word Problems Step by Step	Steck-Vaughn	46-47		
Can I do basic operations using whole numbers	Steck-Vaughn	50-51		
Solve Mean and Median problems	Contemporary	30-32		
Solve Powers and Roots problems	Contemporary	32-36		
Solve Number Sequences and patterns	Contemporary	36-38		
Use Commutative, Associative, and Distributive properties	Contemporary	39-43		
Solve Order of Operations: Manually <input type="checkbox"/> Casio FX 260 <input type="checkbox"/>	Contemporary	43-45		
Do I understand more advanced topics with whole numbers	Contemporary	48-50		
Solve single step word problems using whole numbers	Steck-Vaughn	54-57		
Choose right information	Contemporary	52-56		
Choose right operation	Contemporary	56-60		
Solve multi-step word problems with whole numbers	Steck-Vaughn	60-63		
Solve more multi-step word problems	Contemporary	61-64		
Use formulas and solve set-up answer word problems	Contemporary	65-71		
Can I solve word problems using whole numbers	Steck-Vaughn	65-69		
Can I solve more word problems using whole numbers	Contemporary	72-74		
Work with Fractions (proper, improper, mixed, reduce)	Steck-Vaughn	70-81		
Multiply and divide Fractions	Contemporary	121-123		
Solve word problems using decimal numbers	Steck-Vaughn	104-127		
Can I solve word problems using decimal numbers	Steck-Vaughn	128-131		
Understand Ratio and Proportion (Brochure on WWW)	Matematiko.com	1 to 5		
Solve Ratios	Contemporary	137-139		
Solve Probability Problems using Probability Ratio	Contemporary	212-216		
Solve Word Problems using proportions	Contemporary	140-144		
Can I solve word problems using proportions	Contemporary	145-148		
Understand Basic Percents	Contemporary	149-155		
Understand how to use Proportions to solve Percents (Brochure on WWW)	Matematiko.com	5 to 10		
Find Part Using Proportions (do not use book examples)	Contemporary	157-159		
Find Percent using Proportions (do not use book examples)	Contemporary	160		
Find whole Using Proportion (do not use book examples)	Contemporary	161		
Solve Mixed percent types using proportions (Practice with Matematiko)	Contemporary	165-166		

LEARNING OBJECTIVE How to	SOURCES	PAGES	U	M
Solve Basic Percent Word Problems using proportions	Contemporary	167-169		
Solve Multi-step Percent Word Problems	Contemporary	169-171		
Solve Rate of Change Problems	Contemporary	172-173		
Solve Successive Percent Problems	Contemporary	174-175		
Solve Simple Interest using formula	Contemporary	176-178		
Can I solve percent word problems using proportions	Contemporary	179-182		
Memorize customary U.S. system of measurement chart	Steck-Vaughn	164		
Convert customary measurements & solve word problems with proportions	Steck-Vaughn	164-167		
Memorize metric system prefixes: kilo-, centi-, milli used with meter, gram,	Steck-Vaughn	168		
Convert metric measurements & solve word problems moving decimal points	Steck-Vaughn	168-169		
Know the names of Geometric Shapes	Contemporary	223-227		
Solve perimeter, area, and volume problems	Steck-Vaughn	176-179		
Can I solve measurement problems including simple geometric shapes	Steck-Vaughn	180-183		
Add, Subtract, multiply, and divide signed numbers	Steck-Vaughn	210-213		
Write and Simplify Algebraic Expressions	Steck-Vaughn	214-217		
Write Algebraic Expressions (continued)	Contemporary	306-307		
Solve word problems using number lines with negative and positive integers	Steck-Vaughn	218-219		
Solve one-step equations	Steck-Vaughn	220-221		
Solve multi-step equations	Steck-Vaughn	222-223		
Translate Word Problems into Equations	Steck-Vaughn	224-225		
Solve Algebraic word problems	Steck-Vaughn	226-227		
Use Distance and Cost Formulas	Steck-Vaughn	228-229		
Can I solve algebra problems	Steck-Vaughn	230-233		
Apply formulas for solving triangles and parallelogram and circles	Steck-Vaughn	274-277		
Apply Formulas for Solving Volume	Steck-Vaughn	278-285		
Understand angles to be able to solve angle word problems	Steck-Vaughn	286-293		
Can I apply formulas to solve geometric word problems	Steck-Vaughn	294-297		
Understand Triangles and Quadrilaterals	Steck-Vaughn	298-305		
Use Proportions to Solve Geometry Word Problems	Steck-Vaughn	306-307		
Solve problems with Irregular Geometric Figures	Steck-Vaughn	308-311		
Solve right triangle problems using the Pythagorean Relationship	Steck-Vaughn	312-315		
Organize Information to solve word problems	Steck-Vaughn	316-319		
Can I solve more advanced geometric problems	Steck-Vaughn	320-323		
How well can I do with all types of geometry problems	Steck-Vaughn	324-330		
Understand and solve problems using Tables, Charts, and Graphs	Steck-Vaughn	192-198		
How well can I solve problems using graphs	Steck-Vaughn	198-201		
How well can I solve Measurement and Data Analysis problems	Steck-Vaughn	202-206		
Find a point on a coordinate plane	Steck-Vaughn	250-253		
Find the slope of a line	Steck-Vaughn	256-257		
Find the distance between two points	Steck-Vaughn	258-259		