Math Skills Requirements for the

Medical Billing and Coding

Competency Area	Application	Math Competency	Math Level
Apply mathematical computations related to health care procedures Apply mathematical computations used in health care delivery system	**1**. Understand the development of financial statement, statement generation, reimbursement systems, costing process, measurement, and control. **2**. Execute financial mathematics, e.g. time value of money calculations, capital budgeting, return on investment, and project risk analyses. **3.** Perform differential reimbursement calculations by payers (e.g. Medicare/Medicaid, self-pay, managed care) and describe the major principles of health insurance. **4**. Understand and explain economic evaluation (e.g. cost benefit/cost effectiveness analyses). **5.** Understand the basic concepts of accrual-based accounting (e.g. accounts payable, accounts receivable, credits, debts).	Understand concepts of basic arithmetic Operations: • Addition • Subtraction • Multiplication • Division Understanding concepts of conversion: • Fractions to Decimals (vice versa) • Decimals to percentages (vice versa) Knowing how to use tools: • Calculators	**Math Level One** **Math Intermediate Measurements**