Arithmetic and Mathematical Reasoning
OLC Course Recommendations

Competency Definition

Performs computations such as addition, subtraction, multiplication, and division correctly; solves practical problems by choosing appropriately from a variety of mathematical techniques such as formulas and percentages.

OLC Component Titles

Decimals and Percents

COURSE TSA-FNDT-DECIMPERCENT-0001

Description: A basic understanding of decimals and percentages is key to any businessperson, whether tallying costs for warehouse supplies or estimating resource allocation. This course instructs the learner in the following: how to use decimals, including addition, subtraction, multiplication, and division; how to solve problems involving percentages to determine portions, a rate, a whole unit, and increases and decreases--and how to apply these operations in business settings. **Duration=2.0**

Ratios and Averages

COURSE TSA-FNDT-RATIOAVERAGE-0001

Description: Whether tracking profitability or portraying the rate of inventory consumption, knowledge of ratios and averages is indispensable in the business world. Using real-world scenarios, this course explains the concepts of ratio, proportion, and how to compare different kinds of numbers; and discusses simple, weighted, and moving averages. **Duration=2.0**

Whole Numbers, Fractions, and Equations

COURSE TSA-FNDT-NUMBFRACEQUA-0001

Description: What are whole numbers and how are they estimated? How are fractions used in mathematical operations? How do you find the unknown variable to solve an equation? The answers to questions like these are covered in this course on the building blocks of business math. Learners will review crucial terms, basic mathematical concepts, and how to apply concepts to the business environment. **Duration=4.0**