

MATH CONTENT STANDARD LEVEL 3: NUMBER SENSE AND OPERATIONS

Adult learners will reason, problem solve, communicate,
and make real life connections using number sense and operations.

Benchmarks On exit of this level, learner is able to:	Applications Examples of how/where learners will use this skill:	I do it well enough	I want to work on it	I don't need to work on this now
3.5.1 Understand and use number notation and place values to the 1,000,000.	<ul style="list-style-type: none"> • Relate number values when read or written in an article. • Tell someone the number in a certain place in a routing number. 			
3.5.2 Add, subtract, multi- ply, and divide whole numbers with profi- ciency at this level	<ul style="list-style-type: none"> • Master addition, subtraction, multiplication, and division facts. 			
3.5.3 Find prime factorization of whole numbers.	<ul style="list-style-type: none"> • Understand that every whole number can be expressed as a product of prime numbers. 			
3.5.4 Add and subtract fractions using common denominators.	<ul style="list-style-type: none"> • Add quantities of fractional differences, such as $2/7 + 3/7$. • Solve applied problems with fractions. 			
3.5.5 Add and subtract fractions using different denominators.	<ul style="list-style-type: none"> • Add quantities of fractional differences, such as $1/3 + 2/7$. • Solve applied problems with fractions. 			
3.5.6 Understand fractions as division statements.	<ul style="list-style-type: none"> • Use pictures to represent simple fractions. 			
3.5.7 Multiply and divide fractions	<ul style="list-style-type: none"> • Proportionally increase fractional ingredients in a recipe. • Divide a pizza or cake into needed pieces. • Calculate needed yardage in clothing patterns. • Solve applied problems with fractions. 			
3.5.8 Understand meaning of decimal, fractions, and percentages.	<ul style="list-style-type: none"> • Calculate amounts of sale items, savings, and price. • Express sale prices using percentages, fraction, and decimals. 			