

## MATH CONTENT STANDARD LEVEL 2: NUMBER SENSE AND OPERATIONS

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

<b>Benchmarks</b> On exit of this level, learner is able to:	<b>Applications</b> 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
2.5.1 Count, write, and order whole numbers.	<ul style="list-style-type: none"> <li>• Recognize any number between 1 and 10,000.</li> <li>• Relate objects to numerical value.</li> <li>• Sequence a random set of numbers with up to six digits and be able to use the symbols <math>&gt;</math> and <math>&lt;</math> for comparison.</li> </ul>			
2.5.2 Count in steps, and understand even and odd numbers.	<ul style="list-style-type: none"> <li>• Recognize even numbers as multiples of two.</li> <li>• Recognize odd numbers ending in 1,3,5,7 or 9 and work with patterns involving even and odd numbers.</li> <li>• Given a house address, determine on which side of the street it will be located.</li> <li>• Determine how many houses away an address may be.</li> </ul>			
2.5.3 Add and subtract whole numbers.	<ul style="list-style-type: none"> <li>• Check totals on a grocery receipt by adding and subtracting different items.</li> <li>• Count back change.</li> <li>• Estimate total costs of items at a store</li> <li>• Use mental strategies to determine saving and spending of earnings.</li> </ul>			
2.5.4 Multiply and divide whole numbers.	<ul style="list-style-type: none"> <li>• Recognize situations that can be solved by using multiplication and division, such as: "How many groups?" and "How many in a group?"</li> <li>• Demonstrate that multiplication and division are related, such as: <math>3 \times 5 = 15</math>, <math>15 \div 5 = 3</math>.</li> <li>• Solve simple division problems that have remainders.</li> </ul>			
2.5.5 Understand simple fractions, relation to the whole, and addition and subtraction of fractions.	<ul style="list-style-type: none"> <li>• Understand that fractions may represent a portion of a whole unit, such as: 2 halves of a pie = a whole pie.</li> <li>• Recognize commonly used unit fractions with denominators, such as: <math>1/2</math>, <math>1/3</math>, <math>1/4</math>, <math>2/3</math>, <math>2/4</math>, <math>3/4</math>, <math>2/4</math>, etc. to be used in following recipes.</li> <li>• Compare unit fractions from <math>6/12</math> to <math>1/2</math>.</li> <li>• Read a ruler accurately.</li> <li>• Recognize that a pie cut into 6 equal pieces is the whole pie, and that each piece is equal to <math>1/6</math> of the pie.</li> </ul>			