

ADULT LITERACY FUNDAMENTAL MATHEMATICS (ALFM) LEVEL 6

Students need to demonstrate competency in these outcomes before progressing to the next level. In assessment, it may be determined that some of the outcomes have already been met. In this case, students will focus on the outcomes which still need to be achieved.

In Level 6 the student will be able to:

NUMBER & NUMBER OPERATIONS CONCEPTS	<ul style="list-style-type: none"> ▶ Explain or use examples of keywords: <ul style="list-style-type: none"> ▶ Ratio & Proportion: ratio, rate, proportion Percent: percent, of, commission, tax, discount, simple interest ▶ Compare fractions, decimals and percents
OPERATIONS AND APPLICATIONS	<p>Ratio & Proportion</p> <ul style="list-style-type: none"> ▶ Write the relationship between two numbers or quantities as a ratio ▶ Write the relationship between two numbers or quantities with different units as a rate ▶ Write proportion as a statement of equivalence between two ratios ▶ Determine if a proportion is true using both common denominators & cross multiplying ▶ Solve a proportion for a missing term <p>Percent</p> <ul style="list-style-type: none"> ▶ Convert a decimal to a percent ▶ Convert a percent to a decimal ▶ Convert a fraction to a percent ▶ Convert a percent to a fraction ▶ Find a percent of a number ▶ Find what percent one number is of another ▶ Find a number when a percent is given ▶ Apply ratio and proportion to solve problems involving real-life situations including percent increase and decrease ▶ Read and obtain information from a bar graph ▶ Read and obtain information from a line graph ▶ Read and obtain information from a circle graph ▶ Read and obtain information from a table

PATTERNS, FUNCTIONS & RELATIONS CONCEPTS	<ul style="list-style-type: none"> ▶ Recognize percent notation as a denominator of 100 ▶ Express the relationship between two numbers as a percent
REAL LIFE APPLICATIONS OPERATIONS AND APPLICATIONS	<ul style="list-style-type: none"> ▶ Estimate percentages (mental shopping) ▶ Calculate discounts on purchases ▶ Calculate tips on service ▶ Calculate tax ▶ Calculate wage increase ▶ Calculate budget
DATA ANALYSIS CONCEPTS	<ul style="list-style-type: none"> ▶ Explain or show with examples: the different elements of a graph ▶ Identify bar graph ▶ Identify line graph ▶ Identify circle graph ▶ Identify pictograph ▶ Identify histogram
OPERATIONS AND APPLICATIONS	<ul style="list-style-type: none"> ▶ Read and obtain information from a bar graph ▶ Read and obtain information from a line graph ▶ Read and obtain information from a circle graph ▶ Read and obtain information from a table
SKILLS & STRATEGIES FOR LEARNING	<ul style="list-style-type: none"> ▶ Set further numeracy goals ▶ Use critical thinking skills ▶ Build math confidence ▶ Move on to other tasks while waiting for help ▶ Write tests in a variety of formats ▶ Locate and correct errors ▶ Use strategies to manage test-taking anxiety ▶ Manage frustrations of learning ▶ Apply logical thinking to math operations