

ADULT LITERACY FUNDAMENTAL MATHEMATICS (ALFM) LEVEL 4

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 4 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"> ▶ Decimal, decimal place value (ths), per, of, by, ▶ Identify decimals as part of a whole
OPERATIONS AND APPLICATIONS	<ul style="list-style-type: none"> ▶ Read and write decimals to 10 000ths ▶ Round decimals to a given place ▶ Add decimals ▶ Subtract decimals ▶ Multiply decimals by whole numbers ▶ Multiply decimals by decimals ▶ Divide decimals by whole numbers ▶ Divide decimals by decimals ▶ Divide whole numbers by decimals ▶ Apply decimals to multi-operation problems
PATTERNS, FUNCTIONS & RELATIONS CONCEPTS	<ul style="list-style-type: none"> ▶ Use the number line to order and compare ▶ Identify place value to 10 000ths ▶ Compare decimal in order of place value
OPERATIONS AND APPLICATIONS	<ul style="list-style-type: none"> ▶ Multiply decimals by 10;100;1000 ▶ Divide decimals by 10;100;1000
REAL LIFE APPLICATIONS OPERATIONS AND APPLICATIONS	<ul style="list-style-type: none"> ▶ Write a cheque and record transactions ▶ Calculate unit price ▶ Use unit price to find the best buy ▶ Calculate expenses (phone, utilities, and groceries) ▶ Convert between dollars and cents ▶ Apply addition of decimals in word problems ▶ Apply subtraction of decimals in word problems ▶ Apply multiplication of decimals in word problems ▶ Apply division of decimals in word problems ▶ Apply decimal to multi-operation word problems

MEASUREMENT CONCEPTS	<ul style="list-style-type: none"> ▶ Explain, using an example, length ▶ Explain, using an example, mass ▶ Explain, using an example, capacity ▶ Explain, using an example, temperature ▶ Convert measurements within the metric system using a conversion chart ▶ Convert measurements within the imperial system
OPERATIONS AND APPLICATIONS	<ul style="list-style-type: none"> ▶ Measure length using an appropriate metric measuring device ▶ Measure length using an appropriate imperial measuring device ▶ Measure mass using an appropriate metric measuring device ▶ Measure mass using an appropriate imperial measuring device ▶ Measure capacity using an appropriate metric measuring device ▶ Measure capacity using an appropriate imperial measuring device ▶ Measure temperature using an appropriate metric measuring device ▶ Measure temperature using an appropriate imperial measuring device ▶ Add same metric units ▶ Add same imperial units ▶ Subtract same metric units ▶ Subtract same imperial units ▶ Use metric conversion without a conversion chart ▶ Add mixed metric units ▶ Subtract mixed metric units ▶ Add mixed imperial units ▶ Subtract mixed imperial units
GEOMETRY OPERATIONS AND APPLICATIONS	<ul style="list-style-type: none"> ▶ Calculate perimeter and area of squares and rectangles with decimals
SKILLS & STRATEGIES FOR LEARNING	<ul style="list-style-type: none"> ▶ Apply logical thinking to math operations ▶ Independently track progress and set learning goals ▶ Manage time to complete assignments in and out of class ▶ Give and receive help in a respectful manner ▶ Use a variety of test taking strategies ▶ Use critical thinking skills ▶ Manage frustrations of learning