ADULT LITERACY FUNDAMENTAL MATHEMATICS (ALFM) LEVEL 2

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 2 the student will be able to:

NUMBER & NUMBER	Explain or use examples of keywords:
OPERATIONS CONCEPTS	multiplier, multiplicand, multiple, multiplication, multiply, product, double, triple, twice, carrying, borrowing, of (ex: 2 groups of 3), times, by
	 Place value to 1,000,000
	 Show the relationship between multiplication and repeated addition
	 Read and write whole numbers to 1,000,000 in digits and words
OPERATIONS AND APPLICATIONS	Compare and order whole numbers to 1,000,000 (use <; >; =; ≠)
	 Round whole numbers up to and including 1,000,000
	 Add whole numbers without carrying
	 Subtract whole numbers without borrowing
	 Add whole numbers with carrying
	 Subtract whole numbers with borrowing
	 Estimate a sum using whole numbers
	 Estimate a difference using whole numbers
	 Multiply two whole numbers that are less than or equal to 10
	 Memorize 10 X 10 multiplication chart
PATTERNS,	Explain or use examples of keywords:
FUNCTIONS & RELATIONS CONCEPTS	expanded notation
	 Show the relationship between multiplication and repeated addition
OPERATIONS AND	 Write numbers in expanded notation to 10,000
APPLICATIONS	▶ Write numbers as repeated additions or multiplication (ex: 12=6+6 or 12=2x6)
	 Multiply one digit numbers by 10; 100; 1000
REAL LIFE APPLICATIONS OPERATIONS AND APPLICATIONS	 Apply addition to solve multi-step word problems reflecting real life situations
	 Apply subtraction to solve multi-step word problems reflecting real life situations
	 Apply multiplication to one-step word problems reflecting real life situations
	 Make change up to \$1.00
	 Use manipulatives to explain multiplication

TIME CONCEPTS > Recognize time using an analog clock PRECIPTS > Recognize 24 hour system International clock notation APPLICATIONS AND APPLICATIONS > Convert units of time > Convert to and from 12 hour notation to 24 hour notation > Add time units > Subtract time units GEOMETRY CONCEPTS > Explain or use examples of keywords: > perimeter OPERATIONS AND APPLICATIONS > Calculate perimeter of a square > Calculate perimeter of a rectangle SKILLS & STRATEGIES FOR LEARNING > Apply logical thinking to math operations > Work independently > Ask for help > Receive and respond to feedback > Manage time to complete work > Identify personal learning strengths and styles > Use a multiplication table grid > Use "Answer Key" to mark and self assess > Locate information in a text book		
OPERATIONS AND Convert units of time Convert to and from 12 hour notation to 24 hour notation Add time units Subtract time units Subtract time units Explain or use examples of keywords: Perimeter Calculate perimeter of a square Calculate perimeter of a rectangle SKILLS & STRATEGIES FOR LEARNING Apply logical thinking to math operations Work independently Ask for help Receive and respond to feedback Manage time to complete work Identify short-term personal numeracy goals Identify short-term personal numeracy goals Use "Answer Key" to mark and self assess 		 Recognize time using an analog clock
APPLICATIONS Convert to and from 12 hour notation to 24 hour notation Add time units Subtract time units Subtract time units Subtract time units GEOMETRY CONCEPTS Explain or use examples of keywords: perimeter Calculate perimeter of a square Calculate perimeter of a rectangle SKILLS & STRATEGIES FOR LEARNING Apply logical thinking to math operations Work independently Ask for help Receive and respond to feedback Manage time to complete work Identify short-term personal numeracy goals Identify personal learning strengths and styles Use a multiplication table grid Use "Answer Key" to mark and self assess 		 Recognize 24 hour system International clock notation
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FOR LEARNING > Work independently > Ask for help > Receive and respond to feedback > Manage time to complete work > Identify short-term personal numeracy goals > Identify personal learning strengths and styles > Use a multiplication table grid > Use "Answer Key" to mark and self assess		Calculate perimeter of a rectangle
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 Use "Answer Key" to mark and self assess 		 Identify personal learning strengths and styles
		 Use a multiplication table grid
 Locate information in a text book 		 Use "Answer Key" to mark and self assess
		 Locate information in a text book
 Check that the question was accurately transferred 		 Check that the question was accurately transferred
 Organize computation effectively 		Organize computation effectively
 Use critical thinking skills 		 Use critical thinking skills
 Manage frustrations of learning 		 Manage frustrations of learning