

Linear Arithmetic Diagnostic (LAD) Competencies

Students who score below 62 on the BAAD would then take this diagnostic.

Category	Competency	Competency Description	Items
Basic Math Skills	Place Value	Find the place value of a digit in a whole number	3
Basic Math Skills	Rounding	Round whole numbers to a specified place value	3
Basic Math Skills	Order of Operations	Use order of operations to simplify whole number expressions.	3
Basic Math Skills	Number Conversions	Convert among fractions, decimals, and percents.	3
Operations with Decimals	Calculations with Money	Calculate sales tax and commission.	1
Operations with Decimals	Decimal Application	Perform operations with decimals (with applications)	3
Operations with Fractions	Simplify Fractions	Simplify fractions.	3
Operations with Fractions	Mixed Numbers	Convert between improper fractions and mixed numbers.	3
Operations with Fractions	Least Common Denominator	Find the least common denominator (LCD) of two or more fractions, and compare fractions with unlike denominators.	3
Operations with Fractions	Fraction Application	Perform operations with fractions (with applications)	3
Operations with Percents	Percent Calculations	Calculate all values in the basic percent problem (percent, amount /part, and base).	3
Basic Math Skills	Operations with Whole Numbers	Perform operations on whole numbers (with applications, including area and perimeter)	3
		Test Length	34

Note

All students (AL, QL and CTE) who score below 67 on this assessment are placed into the test prep/soft landing.

All students (AL, QL, and CTE) who score above 67 are placed in MAT 050.