

CASAS Descriptions for Math

The following chart describes what a person typically can do at each skill level. The full range of Academic Skill scores can be reported on *TOPSpro* reports as well as on a *Workforce Skills Profile*.

CASAS Level	NRS Level	MATH Skills typically demonstrated at this level
A	1	Has simple counting skills Can perform simple operations, such as adding and subtracting single-digit numbers
A	2	Reads and write numbers associated with personal identification Reads three-digit numbers and simple money amounts Reads time Adds and subtracts single-digit and some two-digit numbers Can perform some basic multiplication
A	3	Reads time, dates, and simple money amounts Adds and subtracts two-digit whole numbers and recognizes correct change in transactions Multiplies single-digit numbers Reads data in simple lists and tables
B	4	Calculates a single simple operation when numbers are given Recognizes correct change in transactions; makes simple change Understands, reads, and does simple addition and subtraction of simple common fractions Reads and write decimals to two places and do simple calculations with money amounts
B	5	Uses mental math to solve simple problems Converts and calculates with units of time Calculates linear measurement in inches, feet and miles Uses common measurement instruments Interprets data in tables and charts. Records data in simple formats
C	6	Applies and calculates percent Finds mean, range, median, and mode for a data set Compares and extracts information from a variety of graphs Creates simple table or chart to record data Calculates with customary US measure for linear dimensions, weight and capacity Estimates equivalents between US and metric measurement systems Calculates perimeter and area of common figures. Interprets simple scale drawings Reads scales and meters on common measuring devices
D	7	Creates tables that provide for calculation of data Applies common practical formulas (e.g., $d = r \times t$) Plots equations on a graph Interprets and calculates rates (e.g., frequency, consumption) Calculates perimeter, area and volume of a variety of common figures Calculates with metric units of measure
E	8	Interprets data in more complex sorts of graphs and representation Summarizes and reports data for a particular purpose Presents data in various representations and interpretations Applies ratio and proportion Creates and interprets graphs of more complex equations Works with three-dimensional representations and coordinate systems Applies and calculates a variety of rates

Academic skill scores are determined by an individual's responses to internationally validated standardized assessments developed by CASAS. Results are reported using National Reporting System (NRS) Educational Functioning Levels (EFL) accepted by both the U.S. Departments of Labor and Education to track academic skill achievement. www.casas.org.