

A Guide for Using This Resources:

This study aid contains an outline of topics which may appear on the CASAS pre entrance exam. Students are encouraged to utilize the MCCTC Learning Lab or the online resources suggested to reacquaint themselves with the topics presented.

Students do not need to review every item listed on this outline. Instead, students should focus only on the topics in which they have the most room for improvement.

CASAS MATH GOALS TOPICS (Level C/D)

Number & Operations

- Multiplying & Dividing Multi-digit Integers & Decimal Numbers
- Proportions
- Percentages

Fractions

- Adding & Subtracting Fractions
- Multiplying & Dividing Fractions
- Ratios

Operations & Algebraic Thinking

- Variables & Algebraic Expressions
- Equations
- Formula
- Linear Functions
- Rate of Change
- Number Sequence

Measurement & Data

- Proportions & Rates
- Operations with Multi-Digit Whole Numbers and with Decimals
- Perimeter of Common Figures
- Area of Common Figures
- Volume of Common Shape

Geometry

- Parallel, Perpendicular, and Intersecting Lines
- Complementary and Supplementary Angles
- Sexagesimal System
- Circle and Circumference
- Shapes by Properties, Lines, and Angles
- The Coordinate System
- Congruence and Similarity

Probability, Statistics, Data Analysis

- Center & Spread
- Permutations
- Probability