

NRP 2881: *Core Skills in Mathematics* correlated to CASAS

Description		NRP 2881: <i>Core Skills in Mathematics</i>
CASAS Competencies		
6.1.5	Perform multiple operations using whole numbers	Unit 1
6.2.0	Compute using decimal fractions	Unit 1
6.2.1	Add decimal fractions	Unit 1
6.2.2	Subtract decimal fractions	Unit 1
6.2.3	Multiply decimal fractions	Unit 1
6.2.4	Divide decimal fractions	Unit 1
6.2.5	Perform multiple operations using decimal fractions	Unit 1
6.2.6	Convert decimal fractions to common fractions or percents	Unit 1
6.3.0	Compute using fractions	Unit 1
6.3.1	Add common or mixed fractions	Unit 1
6.3.2	Subtract common or mixed fractions	Unit 1
6.3.3	Multiply common or mixed fractions	Unit 1
6.3.4	Divide common or mixed fractions	Unit 1
6.3.5	Perform multiple operations using common or mixed fractions	Units 1, 3
6.3.6	Convert common or mixed fractions to decimal fractions or percents	Units 1, 3
6.3.7	Identify or calculate equivalent fractions	Units 1, 3
6.4.0	Compute with percents, rate, ratio, and proportion	Unit 2
6.4.1	Apply a percent to determine amount of discount	Unit 2
6.4.2	Apply a percent in a context not involving money	Unit 2
6.4.3	Calculate percents	Unit 2
6.4.4	Convert percents to common, mixed, or decimal fractions	Unit 2
6.4.5	Use rate to compute increase or decrease	Unit 2
6.4.6	Compute using ratio or proportion	Unit 2
6.5.0	Use expressions, equations, and formulas	Units 3, 4
6.5.1	Recognize and evaluate simple consumer formulas	Unit 4
6.5.2	Recognize and apply simple geometric formulas	Unit 5
6.5.3	Recognize and apply simple algebraic formulas	Units 3, 4

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6.5.4	Recognize and evaluate logical statements	Unit 5
6.6.0	Demonstrate measurement skills	Chapter 6
6.6.1	Convert units of U.S. standard measurement and metric system	Chapter 6
6.6.2	Recognize, use, and measure linear dimensions, geometric shapes, or angles	Units 5, 6
6.6.3	Measure area and volume of geometric shapes	Units 5, 6
6.6.4	Use or interpret measurement instruments, such as rulers, scales, gauges, and dials	Chapter 6
6.6.5	Interpret diagrams, illustrations, and scale drawings	Chapter 6
6.6.7	Solve measurement problems in stipulated situations	Chapter 6
6.7.0	Interpret data from graphs and compute averages	Chapter 6
6.7.1	Interpret data given in a line graph	Chapter 6
6.7.2	Interpret data given in a bar graph	Chapter 6
6.7.3	Interpret data given in a picture graph	Chapter 6
6.7.4	Interpret data given in a circle graph	Chapter 6
6.7.5	Compute averages, medians, or modes	Chapter 6
6.8.0	Use statistics and probability	Chapter 7
6.8.1	Interpret statistical information used in news reports and articles	Chapter 7
6.8.2	Interpret statements of probability	Chapter 7
6.9.0	Use estimation and mental arithmetic	Units 1, 7
6.9.1	Use computation short cuts	Units 1, 7
6.9.2	Estimate answers	Units 1, 7