



Basic Skills Content Standards by Form

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Basic Skills Content Standards by Test Item - Form 918M

CASAS Math Content Standards (2009)		CASAS Competencies for each item																											
		Task #	Item #																										
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
M1	Number sense																												
M1.3.6	Recognize when a problem situation requires multiplying and/or dividing with multi-digit positive integers and decimal numbers, carry out the computation accurately and interpret the answer in context																												
M1.4.3	Find the percent equivalents to fractions and decimals																												
M1.4.7	Calculate a missing value from a percent relationship – the percentage, the percent, or the base – using paper and pencil or a calculator																												
M2	Algebra																												
M2.1.3	Find the nth term in the sequence in a functional relationship and predict how changes in one quantity will affect another																												
M2.2.10	Solve problems involving life-skill-related and technical formulas (e.g., units x price = cost; $d = r \times t$; $V = l \times R$)																												
M2.2.14	Apply the Pythagorean theorem																												
M2.2.3	Recognize and interpret the different meanings and uses of variables (i.e., $2x + 1 = 7$; $y = 2x + 1$; $A = 1 \times w$; $a + -a = 0$)																												
M2.3.1	Interpret and write expressions and equations for simple contextual math situations																												
M2.3.15	Interpret algebraic concepts and terminology used at the secondary level to solve computationally and conceptually challenging multistep problems																												
M2.3.5	Interpret and write expressions and equations representing contextual situations including those that involve fractions, decimals, percents and negative numbers																												
M2.3.9	Use a graph to answer questions about functional relationships between independent and dependent variables																												
M3	Geometry																												
M3.1.10	Interpret concepts of similarity, and identify figures that are similar or congruent																												
M3.1.11	Use concepts and attributes of geometric shapes to find unknown dimensions in figures and applications																												
M3.1.4	Recognize angles of a triangle have a sum of 180 degrees and use accordingly																												
M3.2.2	Describe characteristics of angles formed by two intersecting lines, including complementary and supplementary angles																												
M3.2.4	Demonstrate understanding of the 360-degree system of measuring angles and rotation																												
M4	Measurement																												
M4.2.1	Calculate with and convert between customary US units of linear measurement: inches, feet, yards, miles																												
M4.2.13	Calculate with and convert between units of time: seconds, minutes, hours, days, months, years																												
M4.3.3	Calculate circumference of a circle, using a given formula																												
M4.3.4	Calculate area of rectangles and other common figures, using a given formula																												
M4.3.7	Calculate area or volume of irregular or composite shapes by dividing the figure into parts																												
M4.4.2	Interpret and use proportions in solving problems involving dimensions or scale																												
M5	Statistics, Data Analysis and Probability																												
M5.1.1	Identify, count and extract relevant data in lists, tables and charts																												
M5.2.3	Find summary statistics of a data set, including the mean, median, mode and range and determine how changes in the extreme values affect each of them.																												



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CASAS Math Content Standards (2009)		Task #	Item #	CASAS Competencies for each item																																						
				6.0.0	1.1.4	1.1.4	1.1.4	4.4.3	6.0.0	4.4.3	4.4.3	1.8.5	4.7.4	1.2.1	1.8.5	6.0.0	2.3.1	2.2.4	2.2.4	4.7.4	4.7.4	1.1.4	1.1.4	1.8.6	2.2.5	4.4.3	6.0.0	6.0.0	4.7.4	4.4.3	4.7.4	4.7.4	4.7.1	4.7.2	6.0.0	4.5.6	6.0.0	5.6.3	4.2.1	4.2.1		
M5.2.6	Make simple generalizations about a data set, including recognizing clusters and more/less contrasts and identifying trends	3	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8		
M5.2.7	Compare different samples or groupings (e.g., age, gender) in a data set, or compare individual pieces of data to an overall set or average	3																																								
M5.3.2	Determine the probability of certain simple events (e.g., in the results of tossing a coin or rolling a die) and express the likelihood of an occurrence as a ratio fraction or a percent	3																																								

Reading/Math Task Legend

- Task 1 - Forms
- Task 2 - Charts, maps, consumer billings, matrices, graphs, tables
- Task 3 - Articles, paragraphs, sentences, directions, manuals
- Task 4 - Signs, price tags, advertisements, product labels
- Task 5 - Measurement scales, diagrams

Listening Item Type Legend

- Type 1 - Picture Prompt
- Type 2 - Comprehension question
- Type 3 - Predict next line of dialogue
- Type 4 - Identify true statement based on prompt

Criteria

Base container is: Agency (D) 7431 - (DISABLED) American Job Corps Center - College of the Canyons (COC)
Interrogation mode is: 'Data from sub-sites'
Assessment Forms: 913M, 914M, 917M, 918M
Include Prepared By: Yes
Include Print Time: Yes
Include Criteria Info: Yes
Report Sort Order: Form
Page Sort Order: Content Standard
Report Style Option: Blue
Warn if too many pages: Yes
Page Orientation: Portrait