ECS Math Form 15M

CONTENT STANDARDS MATRIX

Test Item Correlation to Basic Skills Content Standards

Name of Examinee (or Class): _____

Date: _____

TO USE AS A CHECKLIST:

1. Review test results. At top, mark items + or − .
2. Highlight dots for items answered correctly or incorrectly, depending on overall test performance.
3. At left, check standards frequently missed to target in instruction. Compare to total* times standard appears.

(Use Competency Matrix to assess performance by competency.)

Mark + if correct, − if incorrect

CASAS competencies addressed ▶

Test item number	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	28	29	30	31
CASAS competencies	4.1.3, 6.7.2	4.1.3, 6.7.2	3.2.3, 6.2.2	1.3.4, 6.0.2	1.3.4, 1.1.4, 6.6.1, 6.0.2	4.2.1, 6.2.3	4.2.1, 6.1.4	1.1.3, 6.7.2	1.1.3, 6.7.2	4.2.1, 6.2.1	4.2.1, 6.2.2	2.3.1, 6.6.6	1.1.4, 6.6.5, 6.6.2	3.3.2, 6.1.3, 1.1.2	3.3.2, 6.1.3, 1.1.2	1.8.2, 6.2.5	1.8.1, 6.2.2	4.1.3, 6.2.4	4.1.3, 6.2.4	4.1.3, 6.4.1	1.1.5, 6.6.4, 6.9.2	4.4.3, 4.5.1, 6.6.4	4.4.3, 6.7.1	4.4.3, 6.7.1	1.2.2, 6.4.1	1.2.2, 6.4.3	4.2.1, 6.2.4	4.2.1, 6.4.3	4.2.1, 6.4.3	5.4.1, 6.2.1	1.1.4, 6.6.5, 6.6.3
Task ▶ (Total*)	2	2	2	2	2	1	1	2	2	2	2	5	5	4	4	1	1	2	2	2	5	5	2	2	4	4	1	1	1	1	5

Total*	Content Standard		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	28	29	30	31
1	M1.2.24	multiply with numbers of two or more digits																				•											
1	M1.4.6	round decimal amounts to one or two decimal places or to a whole number																					•										
11	M1.4.7	add, subtract, multiply and divide decimals			•			•				•	•					•	•	•	•	•							•			•	
1	M1.4.12	use decimals in the context of measurement units																					•										
15	M1.4.16	calculate with money amounts			•			•				•	•					•	•	•	•	•					•	•	•	•	•	•	
2	M1.5.1	understand the meaning of percent	•	•																													
2	M1.5.2	read, write, order and compare simple percentages	•	•																													
1	M1.5.6	find benchmark percents of numbers to 1000 (e.g., 10%, 25%, 50%)																									•						
2	M1.5.7	find a given percent of a number																				•					•						
3	M1.5.9	calculate percents to one or two decimal places																											•		•	•	
5	M1.5.12	apply percents to money, measurement, and other contextual situations																				•					•	•			•	•	
16	M1.7.1	analyze a math-related situation or problem, identifying the mathematical question that needs to be answered, the most appropriate methods, procedures, algorithms and operations to apply, and the relevant and irrelevant information						•	•			•	•			•	•	•	•	•	•	•					•	•	•	•	•		
16	M1.7.2	perform operations efficiently and correctly						•	•			•	•			•	•	•	•	•	•	•					•	•	•	•	•		
2	M1.7.3	apply estimation strategies and mental math to approximate solutions and determine reasonableness of answers																														•	•

Task: 0 General; 1 Forms; 2 Charts, maps, consumer billings, matrices, graphs, tables; 3 Articles, paragraphs, sentences, directions, manuals; 4 Signs, price tags, advertisements, product labels; 5 Measurement scales, diagrams; 6 Oral cue.

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		Mark + if correct, − if incorrect																															
2	M1.7.4	determine and use appropriate rounding and estimating techniques																												•	•		
4	M1.7.5	determine and use a variety of techniques and processes for doing mental math																					•	•		•	•						
1	M4.1.1	read time from a clock, analog and digital												•																			
1	M4.1.7	calculate with units of time: hours, minutes, seconds												•																			
1	M4.5.3	compare and calculate with temperatures																				•											
2	M4.6.1	know customary US units of weight and equivalents: pounds, ounces, tons				•	•																										
1	M4.6.3	convert weight units: pounds, ounces, etc.					•																										
1	M4.6.5	calculate with pounds, ounces, etc.					•																										
2	M4.6.9	calculate with metric units of weight														•	•																
1	M4.9.2	calculate perimeter of rectangles and other common figures													•																		
1	M4.9.3	calculate area of rectangles and other common figures, using a given formula																															•
1	M4.11.5	read a thermometer																	•														
1	M4.11.6	read analog and other types of scales, meters and gauges, including various types of units and calibrations																			•												
12	M5.1.1	identify, count and extract data in lists, tables and charts			•	•	•	•	•			•	•					•							•	•	•	•					
4	M5.1.3	compare and extract information from bar graphs, block graphs and circle graphs	•	•						•	•																						
2	M5.1.4	extract information from line graphs																					•	•									
1	M5.1.5	extract information from other types of graphs or visual representations															•																
1	M5.1.6	compare information from multiple plottings on the same plane																				•											

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