ECS Math Form 13M

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	6.2.2	6.2.1	6.2.3	6.1.4	6.3.2	6.3.1	6.3.3	2.2.4, 6.6.6	2.2.4, 6.6.6	2.3.1, 6.0.1	1.2.1, 6.2.1, 6.0.1	5.4.3, 6.0.2	5.4.3, 6.0.2	1.1.6, 6.2.4	1.1.6, 6.2.5	1.9.3, 6.1.3	1.1.6, 6.1.1	1.1.7, 6.6.1	1.1.7, 6.6.1	1.1.3, 6.6.5	1.1.3, 6.6.5, 6.1.4	3.3.2, 6.1.3	1.1.5, 6.6.4, 6.2.2	1.1.5, 6.6.4, 6.1.2	1.8.2, 6.2.1	1.8.2, 6.2.2	4.2.1, 6.0.2	1.1.4, 6.6.5, 6.6.3	5.4.2, 6.2.1, 6.4.1	1.1.3, 6.7.4	1.1.3, 6.7.4
Task ▶	0	0	0	0	0	0	0	2	2	5	4	2	2	3	3	3	3	5	5	2	2	4	5	5	1	1	1	5	2	2	2

Total*	Code	Basic Skills 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	M1.1.8	read, write, order and compare numbers to 1,000,000												•																			
2	M1.2.13	add two or three-digit numbers																	•														•
1	M1.2.24	multiply with numbers of two or more digits														•																	
1	M1.2.34	divide by numbers of two or more digits and interpret remainders				•																											
2	M1.3.10	add and subtract fractions and mixed numbers with different denominators					•	•																									
1	M1.3.12	multiply and divide with fractions and mixed numbers							•																								
1	M1.4.5	divide whole numbers and represent quotient as a decimal																					•										
10	M1.4.7	add, subtract, multiply and divide decimals	•	•	•								•				•						•		•		•	•			•		
2	M1.4.12	use decimals in the context of measurement units																					•		•								
1	M1.4.13	relate the decimal system with money											•																				
1	M1.4.14	read and write money amounts using decimals and symbols $ and ¢																												•			
1	M1.4.15	make and verify change																	•														
7	M1.4.16	calculate with money amounts											•					•	•		•						•	•			•		
1	M1.5.12	apply percents to money, measurement, and other contextual situations																													•		
9	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											•		•	•	•	•	•				•						•		•		

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.

See www.casas.org for complete list of content standards and competencies

CONTENT STANDARDS MATRIX

		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
		Mark + if correct, − if incorrect																															
1	M1.7.3	apply estimation strategies and mental math to approximate solutions and determine reasonableness of answers																					•										
1	M4.1.1	read time from a clock, analog and digital										•																					
2	M4.1.2	read and record time of day in 12-hour format								•	•																						
1	M4.1.7	calculate with units of time: hours, minutes, seconds								•																							
2	M4.2.6	apply a scale on a map																				•	•										
1	M4.4.2	understand, interpret, calculate and apply unit rates (e.g., cents/min, $/sq. ft., mi/gal)														•																	
2	M4.5.3	compare and calculate with temperatures																								•	•						
1	M4.6.3	convert weight units: pounds, ounces, etc.																	•														
1	M4.6.9	calculate with metric units of weight																			•												
1	M4.7.3	convert units of capacity: ounces, quarts, gallons, etc.																		•													
1	M4.9.5	calculate volume and surface area of rectangular and other common shapes, using a given formula																												•			
2	M4.11.5	read a thermometer																								•	•						
6	M5.1.1	identify, count and extract data in lists, tables and charts								•	•		•	•														•	•				
2	M5.1.3	compare and extract information from bar graphs, block graphs and circle graphs																														•	•

FOR INSTRUCTOR USE ONLY

Summary of CASAS competencies covered on Form 13M   Number in parentheses shows the number of test items addressing the competency, if more than one.

1.1.3 (4)	1.8.2 (2)	2.2.4 (2)	3.3.2	4.2.1	5.4.2	6.0.1 (2)	6.2.1 (4)	6.3.2	6.6.5
1.1.4	1.9.3	2.3.1			5.4.3 (2)	6.0.2 (3)	6.2.2 (3)	6.3.3	6.6.6
1.1.5 (2)						6.1.1	6.2.3	6.4.1	6.7.4
1.1.6 (3)						6.1.2	6.2.4	6.6.1	
1.1.7 (2)						6.1.3 (2)	6.2.5	6.6.3	
1.2.1						6.1.4 (2)	6.3.1	6.6.4	

Refer to Competency Matrix for detailed information on competency coverage.