



Item Analysis Summary - NEWTOWN ELEMENTARY

DISTRICT: NEWTOWN
RCDTS CODE: 123456789012345

GRADE: 03
TEST DATE: 03/06

MATHEMATICS

RESPONSE ANALYSIS (% CORRECT)

Results from Multiple-Choice Items	# of Items	Assessment Objective	SCHOOL	DISTRICT	STATE
State Goal 6: Number Sense Standard 6A: Representations and Ordering	24 10				
	1	6.3.01			
	1	6.3.02			
	1	6.3.03			
	2	6.3.04			
	1	6.3.05			
	1	6.3.06			
	1	6.3.07			
	2	6.3.08			
Standards 6B, 6C: Computation, Operations, Estimation, and Properties	14				
	3	6.3.09			
	4	6.3.10			
	2	6.3.11			
	3	6.3.12			
	1	6.3.13			
	1	6.3.14			
Standard 6D: Ratios, Proportions, and Percents	0				
State Goal 7: Measurement Standards 7A, 7B, 7C: Units, Tools, Estimation, and Applications	13 13				
	4	7.3.01			
	2	7.3.02			
	1	7.3.03			
	1	7.3.04			
	2	7.3.05			
	2	7.3.06			
	1	7.3.07			
State Goal 8: Algebra Standard 8A: Representations, Patterns, and Expressions	6 4				
	2	8.3.01			
	2	8.3.02			
Standard 8B: Connections Using Tables, Graphs, and Symbols	0				
Standards 8C, 8D: Writing, Interpreting, and Solving Equations	2				
	1	8.3.03			
	1	8.3.05			



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Results from Multiple-Choice Items (cont.)	# of Items	Assessment Objective	SCHOOL	DISTRICT	STATE
State Goal 9: Geometry	13				
Standard 9A: Properties of Single Figures and Coordinate Geometry	9				
	1	9.3.01			
	2	9.3.02			
	2	9.3.03			
	1	9.3.04			
	2	9.3.05			
	1	9.3.06			
Standard 9B: Relationships Between and Among Multiple Figures	4				
	1	9.3.08			
	2	9.3.09			
	1	9.3.11			
Standard 9C: Justifications of Conjectures and Conclusions	0				
Standard 9D: Trigonometry	0				
State Goal 10: Data Analysis, Statistics, and Probability	9				
Standards 10A, 10B: Data Analysis and Statistics	5				
	3	10.3.01			
	1	10.3.02			
	1	10.3.03			
Standard 10C: Probability	4				
	2	10.3.04			
	2	10.3.05			



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RESPONSE ANALYSIS (% AT EACH SCORE POINT)

Results from Short-Response Items 2 = Completely correct response 1 = Partially correct response 0 = Incorrect or no response	Score Range	Assessment Objective	SCHOOL	DISTRICT	STATE
Item 1 State Goal 9: Geometry Standard 9A: Properties of Single Figures and Coordinate Geometry Students are given four shapes and must identify the two shapes that are symmetrical by drawing the line of symmetry on each.	2 1 0	9.3.04			
Item 2 State Goal 10: Data Analysis, Statistics, and Probability Standards 10A, 10B: Data Analysis and Statistics Students must interpret where items belong in a Venn diagram with two circles.	2 1 0	10.3.01			
State Goal 8: Algebra Standards 8C, 8D: Writing, Interpreting, and Solving Equations Students must determine one way that 14 books can be distributed among three classrooms and the school library, given that each classroom must receive the same number of books.		8.3.05			
Mathematical Knowledge Knowledge of mathematical principles and concepts that result in a correct solution to a problem.	4 3 2 1 0				
Strategic Knowledge Identification of important problem elements and the use of models, and/or algorithms to systematically represent and integrate concepts.	4 3 2 1 0				
Explanation Written explanation and rationales that translate into words the steps of the solution process and provide a justification for each step.	4 3 2 1 0				