



Item Analysis Summary - NEWTOWN ELEMENTARY

DISTRICT: NEWTOWN
RCDTS CODE: 123456789012345

GRADE: 04
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	23 10				
	1	6.4.01			
	1	6.4.02			
	2	6.4.03			
	1	6.4.04			
	1	6.4.05			
	1	6.4.06			
	1	6.4.08			
	2	6.4.09			
Standards 6B, 6C: Computation, Operations, Estimation, and Properties	13				
	4	6.4.10			
	2	6.4.11			
	1	6.4.13			
	2	6.4.14			
	1	6.4.15			
	3	6.4.16			
Standard 6D: Ratios, Proportions, and Percents	0				
State Goal 7: Measurement Standards 7A, 7B, 7C: Units, Tools, Estimation, and Applications	12 12				
	3	7.4.01			
	2	7.4.02			
	2	7.4.03			
	4	7.4.04			
	1	7.4.05			
State Goal 8: Algebra Standard 8A: Representations, Patterns, and Expressions	7 3				
	2	8.4.01			
	1	8.4.03			
Standard 8B: Connections Using Tables, Graphs, and Symbols	1				
	1	8.4.05			
Standards 8C, 8D: Writing, Interpreting, and Solving Equations	3				
	1	8.4.06			
	2	8.4.07			



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Results from Multiple-Choice Items (cont.)	# of Items	Assessment Objective	SCHOOL	DISTRICT	STATE
State Goal 9: Geometry Standard 9A: Properties of Single Figures and Coordinate Geometry Standard 9B: Relationships Between and Among Multiple Figures Standard 9C: Justifications of Conjectures and Conclusions Standard 9D: Trigonometry	13 9 1 2 2 1 1 1 1 1 4 1 1 1 1 0 0	9.4.01 9.4.03 9.4.04 9.4.05 9.4.06 9.4.07 9.4.08 9.4.09 9.4.11 9.4.12 9.4.13			
State Goal 10: Data Analysis, Statistics, and Probability Standards 10A, 10B: Data Analysis and Statistics Standard 10C: Probability	10 6 5 1 4 2 2	10.4.01 10.4.03 10.4.04 10.4.05			



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RESPONSE ANALYSIS (% AT EACH SCORE POINT)

Results from Short-Response Items			SCHOOL	DISTRICT	STATE
Score Range	Assessment Objective				
<p>2 = Completely correct response 1 = Partially correct response 0 = Incorrect or no response</p>					
<p>Item 1 State Goal 10: Data Analysis, Statistics, and Probability Standards 10A, 10B: Data Analysis and Statistics Students must interpret a pictograph and answer a question pertaining to the information in the graph.</p>	2 1 0	10.4.01			
<p>Item 2 State Goal 8: Algebra Standard 8A: Representations, Patterns, and Expressions Students must identify a rule that could be used to produce a given number pattern.</p>	2 1 0	8.4.01			
Results from Extended-Response Item			SCHOOL	DISTRICT	STATE
Score Range	Assessment Objective				
<p>4 = Highest Score; 0 = Lowest Score</p>					
<p>State Goal 7: Measurement Standards 7A, 7B, 7C: Units, Tools, Estimation, and Applications Students must draw a picture of a petting zoo with an even number of sides and a perimeter of 100 feet.</p>		7.4.03			
<p>Mathematical Knowledge Knowledge of mathematical principles and concepts that result in a correct solution to a problem.</p>	4 3 2 1 0				
<p>Strategic Knowledge Identification of important problem elements and the use of models, and/or algorithms to systematically represent and integrate concepts.</p>	4 3 2 1 0				
<p>Explanation Written explanation and rationales that translate into words the steps of the solution process and provide a justification for each step.</p>	4 3 2 1 0				