



Item Analysis Summary - NEWTOWN MIDDLE

DISTRICT: NEWTOWN
RCDTS CODE: 123456789012345

GRADE: 08
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	15 6				
	1	6.8.01			
	2	6.8.02			
	1	6.8.03			
	2	6.8.06			
Standards 6B, 6C: Computation, Operations, Estimation, and Properties	6				
	2	6.8.09			
	1	6.8.10			
	1	6.8.11			
	1	6.8.12			
	1	6.8.14			
Standard 6D: Ratios, Proportions, and Percents	3				
	2	6.8.16			
	1	6.8.18			
State Goal 7: Measurement Standards 7A, 7B, 7C: Units, Tools, Estimation, and Applications	10 10				
	6	7.8.02			
	1	7.8.03			
	1	7.8.04			
	1	7.8.05			
	1	7.8.06			
State Goal 8: Algebra Standard 8A: Representations, Patterns, and Expressions	18 6				
	2	8.8.01			
	2	8.8.03			
	2	8.8.05			
Standard 8B: Connections Using Tables, Graphs, and Symbols	5				
	2	8.8.07			
	1	8.8.09			
	2	8.8.10			
Standards 8C, 8D: Writing, Interpreting, and Solving Equations	7				
	1	8.8.11			
	3	8.8.12			
	3	8.8.13			



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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	8				
	1	9.8.03			
	3	9.8.04			
	2	9.8.05			
	2	9.8.08			
Standard 9B: Relationships Between and Among Multiple Figures	5				
	2	9.8.10			
	1	9.8.11			
	2	9.8.12			
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				
	2	10.8.01			
	1	10.8.04			
	2	10.8.05			
Standard 10C: Probability	4				
	2	10.8.06			
	1	10.8.07			
	1	10.8.08			



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MATHEMATICS

RESPONSE ANALYSIS (% AT EACH SCORE POINT)

Results from Short-Response Items			SCHOOL	DISTRICT	STATE
Score Range	Assessment Objective				
<p>Item 1 State Goal 7: Measurement Standards 7A, 7B, 7C: Units, Tools, Estimation, and Applications Students must draw a rectangle with a perimeter of 24 cm.</p>	2 1 0	7.8.02			
<p>Item 2 State Goal 6: Number Sense Standard 6D: Ratios, Proportions, and Percents Students must identify what fractional part of a pizza was eaten and then convert the fraction into a percent.</p>	2 1 0	6.8.18			
Results from Extended-Response Item			SCHOOL	DISTRICT	STATE
Score Range	Assessment Objective				
<p>State Goal 10: Data Analysis, Statistics, and Probability Standard 10C: Probability Students must determine how many games must be played in order that six teams will play each other once.</p>		10.8.07			
<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				