



Item Analysis Summary - SAMPLE SCHOOL

DISTRICT: SAMPLE DISTRICT
RCDTS CODE: 123456789012345

GRADE: 05
TEST DATE: 03/09

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	20 7 1 1 1 1 1 2	6.5.01 6.5.03 6.5.04 6.5.07 6.5.08 6.5.11			
Standards 6B, 6C: Computation, Operations, Estimation, and Properties	10 3 2 1 2 2	6.5.12 6.5.13 6.5.14 6.5.15 6.5.16			
Standard 6D: Ratios, Proportions, and Percents	3 2 1	6.5.17 6.5.18			
State Goal 7: Measurement Standards 7A, 7B, 7C: Units, Tools, Estimation, and Applications	9 9 2 1 1 3 1 1	7.5.01 7.5.02 7.5.03 7.5.04 7.5.05 7.5.07			
State Goal 8: Algebra Standard 8A: Representations, Patterns, and Expressions	13 5 1 1 1 2	8.5.01 8.5.02 8.5.03 8.5.04			
Standard 8B: Connections Using Tables, Graphs, and Symbols	4 3 1	8.5.05 8.5.06			
Standards 8C, 8D: Writing, Interpreting, and Solving Equations	4 3 1	8.5.07 8.5.08			



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Results from Multiple-Choice Items (cont.)	# of Items	Assessment Objective*	SCHOOL	DISTRICT	STATE
State Goal 9: Geometry	12				
Standard 9A: Properties of Single Figures and Coordinate Geometry	6				
	1	9.5.01			
	1	9.5.04			
	1	9.5.05			
	1	9.5.07			
	1	9.5.08			
	1	9.5.09			
Standard 9B: Relationships Between and Among Multiple Figures	6				
	2	9.5.10			
	1	9.5.11			
	1	9.5.12			
	1	9.5.13			
	1	9.5.14			
Standard 9C: Justifications of Conjectures and Conclusions	0				
Standard 9D: Trigonometry	0				
State Goal 10: Data Analysis, Statistics, and Probability	10				
Standards 10A, 10B: Data Analysis and Statistics	6				
	3	10.5.01			
	3	10.5.03			
Standard 10C: Probability	4				
	3	10.5.04			
	1	10.5.05			



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RESPONSE ANALYSIS (% AT EACH SCORE POINT)

Results from Short-Response Items <i>2 = Completely correct response 1 = Partially correct response 0 = Incorrect or no response</i>			SCHOOL	DISTRICT	STATE
Score Range	Assessment Objective*				
Item 1 State Goal 6: Number Sense Standards 6B, 6C: Computation, Operations, Estimation, and Properties Students are asked to determine the amount of money spent on children tickets and adult tickets. Students are also asked to show work.	2 1 0	6.5.13			
Item 2 State Goal 9: Geometry Standard 9B: Relationships Between and Among Multiple Figures Students are asked to write the number of faces on a prism and name the shape of the faces.	2 1 0	9.5.10			
Results from Extended-Response Item <i>4 = Highest Score; 0 = Lowest Score</i>			SCHOOL	DISTRICT	STATE
Score Range	Assessment Objective*				
State Goal 8: Algebra Standards 8C, 8D: Writing, Interpreting, and Solving Equations Students are asked to determine the number of girls in a school band given the number of students in the school band. Students are also asked to show work.		8.5.09			
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				

*Assessment Objective descriptions are online at <http://www.isbe.net/assessment/IAFindex.htm>