



Item Analysis Summary - SAMPLE SCHOOL

DISTRICT: SAMPLE DISTRICT
RCDTS CODE: 123456789012345

GRADE: 07
TEST DATE: 03/10

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	17 4 1 2 1	6.7.02 6.7.05 6.7.07			
Standards 6B, 6C: Computation, Operations, Estimation, and Properties	10 2 2 1 3 2	6.7.08 6.7.09 6.7.11 6.7.12 6.7.13			
Standard 6D: Ratios, Proportions, and Percents	3 1 1 1	6.7.14 6.7.15 6.7.17			
State Goal 7: Measurement Standards 7A, 7B, 7C: Units, Tools, Estimation, and Applications	11 11 2 2 3 2 2	7.7.02 7.7.03 7.7.04 7.7.05 7.7.06			
State Goal 8: Algebra Standard 8A: Representations, Patterns, and Expressions	16 6 2 1 1 2	8.7.01 8.7.02 8.7.04 8.7.05			
Standard 8B: Connections Using Tables, Graphs, and Symbols	5 1 1 1 2	8.7.06 8.7.07 8.7.08 8.7.09			



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RESPONSE ANALYSIS (% CORRECT)

Results from Multiple-Choice Items (cont.)	# of Items	Assessment Objective*	SCHOOL	DISTRICT	STATE
State Goal 8: Algebra (cont.) Standards 8C, 8D: Writing, Interpreting, and Solving Equations	5 3 1 1	8.7.10 8.7.11 8.7.12			
State Goal 9: Geometry Standard 9A: Properties of Single Figures and Coordinate Geometry	12 7 1 1 1 1 1 1 1	9.7.01 9.7.03 9.7.06 9.7.07 9.7.08 9.7.09 9.7.10			
Standard 9B: Relationships Between and Among Multiple Figures	5 1 1 1 2	9.7.11 9.7.13 9.7.14 9.7.15			
Standard 9C: Justifications of Conjectures and Conclusions	0				
Standard 9D: Trigonometry	0				
State Goal 10: Data Analysis, Statistics, and Probability Standards 10A, 10B: Data Analysis and Statistics	9 5 2 2 1	10.7.01 10.7.02 10.7.05			
Standard 10C: Probability	4 3 1	10.7.06 10.7.07			



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MATHEMATICS

RESPONSE ANALYSIS (% AT EACH SCORE POINT)

Results from Short-Response Items			SCHOOL	DISTRICT	STATE
Score Range	Assessment Objective*				
Item 1 State Goal 10: Data Analysis, Statistics, and Probability Standards 10A, 10B: Data Analysis and Statistics Students are asked to find a missing number using information and a Venn diagram and to show work.	2 1 0	10.7.01			
Item 2 State Goal 9: Geometry Standard 9B: Relationships Between and Among Multiple Figures Students are asked to find the difference between the high and low temperature using a thermometer and to show work.	2 1 0	9.7.15			
Results from Extended-Response Item			SCHOOL	DISTRICT	STATE
State Goal 8 : Algebra Standards 8C, 8D: Writing, Interpreting, and Solving Equations Students are asked to solve a problem to determine equal costs for two different companies when downloading music.		8.7.12			
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>