



Item Analysis Summary - SAMPLE SCHOOL

DISTRICT: SAMPLE DISTRICT
RCDTS CODE: 123456789012345

GRADE: 08
TEST DATE: 03/11

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	13 3	6.8.02 6.8.04 6.8.07			
Standards 6B, 6C: Computation, Operations, Estimation, and Properties	6 2 1 2 1	6.8.09 6.8.10 6.8.13 6.8.14			
Standard 6D: Ratios, Proportions, and Percents	4 1 1 2	6.8.15 6.8.16 6.8.18			
State Goal 7: Measurement Standards 7A, 7B, 7C: Units, Tools, Estimation, and Applications	10 10	7.8.01 7.8.02 7.8.03 7.8.04 7.8.06			
State Goal 8: Algebra Standard 8A: Representations, Patterns, and Expressions	20 7	8.8.01 8.8.02 8.8.03 8.8.04 8.8.05			
Standard 8B: Connections Using Tables, Graphs, and Symbols	6 1 1 1 1 2	8.8.06 8.8.07 8.8.08 8.8.09 8.8.10			



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MATHEMATICS			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	7 1 3 3	8.8.11 8.8.12 8.8.13			
State Goal 9: Geometry Standard 9A: Properties of Single Figures and Coordinate Geometry	13 7 2 1 1 1 1 1	9.8.02 9.8.03 9.8.04 9.8.05 9.8.06 9.8.08			
Standard 9B: Relationships Between and Among Multiple Figures	6 2 3 1	9.8.10 9.8.11 9.8.12			
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 1 2	10.8.01 10.8.03 10.8.05			
Standard 10C: Probability	4 2 1 1	10.8.06 10.8.07 10.8.08			



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MATHEMATICS

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>	Score Range	Assessment Objective*	SCHOOL	DISTRICT	STATE
Item 1 State Goal 10: Data Analysis, Statistics, and Probability Standard 10C: Probability Students are asked to solve a probability problem and to show work.	2 1 0	10.8.06			
Item 2 State Goal 6: Number Sense Standards 6C, 6B: Computation, Operations, Estimation, and Properties Students are asked to divide using rational numbers and to show work.	2 1 0	6.8.09			
Results from Extended-Response Item <i>4 = Highest Score; 0 = Lowest Score</i>	Score Range	Assessment Objective*	SCHOOL	DISTRICT	STATE
State Goal 7: Measurement Standards 7A, 7B, 7C: Units, Tools, Estimation, and Applications Students are asked to determine the area of the shaded region in a figure to the nearest square foot.		7.8.02			
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>