



Item Analysis Summary - SAMPLE SCHOOL

DISTRICT: SAMPLE DISTRICT
RCDTS CODE: 123456789012345

GRADE: 04
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	23 10 1 2 1 1 2 1 1 1	6.4.01 6.4.02 6.4.03 6.4.04 6.4.05 6.4.07 6.4.08 6.4.09			
Standards 6B, 6C: Computation, Operations, Estimation, and Properties	13 5 1 1 1 5	6.4.10 6.4.11 6.4.13 6.4.14 6.4.16			
Standard 6D: Ratios, Proportions, and Percents	0				
State Goal 7: Measurement Standards 7A, 7B, 7C: Units, Tools, Estimation, and Applications	13 13 3 3 3 2 1 1	7.4.01 7.4.02 7.4.03 7.4.04 7.4.05 7.4.06			
State Goal 8: Algebra Standard 8A: Representations, Patterns, and Expressions	6 2 1 1	8.4.01 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 2	8.4.06 8.4.07			

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

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MATHEMATICS

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Results from Multiple-Choice Items (cont.)	# of Items	Assessment Objective*	SCHOOL	DISTRICT	STATE
State Goal 9: Geometry	14				
Standard 9A: Properties of Single Figures and Coordinate Geometry	10				
	1	9.4.01			
	1	9.4.02			
	2	9.4.03			
	2	9.4.04			
	1	9.4.05			
	1	9.4.06			
	1	9.4.07			
	1	9.4.08			
Standard 9B: Relationships Between and Among Multiple Figures	4				
	1	9.4.09			
	1	9.4.11			
	2	9.4.13			
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	6				
	4	10.4.01			
	2	10.4.03			
Standard 10C: Probability	3				
	1	10.4.04			
	2	10.4.05			



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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 8: Algebra Standard 8A: Representations, Patterns, and Expressions Students are asked to fill in missing numbers in a number pattern and to show work.	2 1 0	8.4.01			
Item 2 State Goal 10: Data Analysis, Statistics, and Probability Standard 10C: Probability Using a spinner, students are asked to write which color the arrow will most likely and least likely land on.	2 1 0	10.4.04			
Results from Extended-Response Item			SCHOOL	DISTRICT	STATE
Score Range	Assessment Objective*				
State Goal 6: Number Sense Standards 6B, 6C: Computation, Operations, Estimation, and Properties Students are asked to solve a problem and make change with \$100.00.		6.4.11			
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				

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