



# Item Analysis Summary - SAMPLE SCHOOL

DISTRICT: SAMPLE DISTRICT  
RCDTS CODE: 123456789012345

GRADE: 04  
TEST DATE: 03/09

## MATHEMATICS

## RESPONSE ANALYSIS (% CORRECT)

Results from Multiple-Choice Items	# of Items	Assessment Objective*	SCHOOL	DISTRICT	STATE
<b>State Goal 6: Number Sense</b> Standard 6A: Representations and Ordering	<b>23</b> 9 2 1 1 1 2 1 1	6.4.01 6.4.02 6.4.03 6.4.04 6.4.05 6.4.07 6.4.08			
Standards 6B, 6C: Computation, Operations, Estimation, and Properties	<b>14</b> 5 1 1 1 1 5	6.4.10 6.4.11 6.4.12 6.4.13 6.4.14 6.4.16			
Standard 6D: Ratios, Proportions, and Percents	<b>0</b>				
<b>State Goal 7: Measurement</b> Standards 7A, 7B, 7C: Units, Tools, Estimation, and Applications	<b>10</b> 10 3 3 2 1 1	7.4.01 7.4.03 7.4.04 7.4.05 7.4.06			
<b>State Goal 8: Algebra</b> Standard 8A: Representations, Patterns, and Expressions	<b>7</b> 3 2 1	8.4.01 8.4.03			
Standard 8B: Connections Using Tables, Graphs, and Symbols	<b>1</b> 1	8.4.05			
Standards 8C, 8D: Writing, Interpreting, and Solving Equations	<b>3</b> 1 2	8.4.06 8.4.07			



# Item Analysis Summary - SAMPLE SCHOOL

DISTRICT: SAMPLE DISTRICT  
RCDTS CODE: 123456789012345

GRADE: 04  
TEST DATE: 03/09

## MATHEMATICS

## RESPONSE ANALYSIS (% CORRECT)

Results from Multiple-Choice Items (cont.)	# of Items	Assessment Objective*	SCHOOL	DISTRICT	STATE
<b>State Goal 9: Geometry</b>	<b>14</b>				
Standard 9A: Properties of Single Figures and Coordinate Geometry	<b>10</b>				
	2	9.4.01			
	1	9.4.02			
	2	9.4.03			
	1	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	<b>4</b>				
	1	9.4.09			
	1	9.4.11			
	2	9.4.13			
Standard 9C: Justifications of Conjectures and Conclusions	<b>0</b>				
Standard 9D: Trigonometry	<b>0</b>				
<b>State Goal 10: Data Analysis, Statistics, and Probability</b>	<b>10</b>				
Standards 10A, 10B: Data Analysis and Statistics	<b>6</b>				
	5	10.4.01			
	1	10.4.03			
Standard 10C: Probability	<b>4</b>				
	1	10.4.04			
	3	10.4.05			



# Item Analysis Summary - SAMPLE SCHOOL

DISTRICT: SAMPLE DISTRICT  
RCDTS CODE: 123456789012345

GRADE: 04  
TEST DATE: 03/09

## 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>			SCHOOL	DISTRICT	STATE
Item	Score Range	Assessment Objective*			
<b>Item 1</b> <b>State Goal 6: Number Sense</b> Standard 6A: Representations and Ordering Students are given a figure and asked to determine how much of that figure is shaded. Then students are asked to draw another figure and shade a specific portion of it.	2 1 0	6.4.03			
<b>Item 2</b> <b>State Goal 7: Measurement</b> Standards 7A, 7B, 7C: Units, Tools, Estimation, and Applications Students are asked to use a ruler to determine the length of a drawing to the nearest half inch and nearest centimeter. Students are also asked to label the answers.	2 1 0	7.4.02			
Results from Extended-Response Item <i>4 = Highest Score; 0 = Lowest Score</i>			SCHOOL	DISTRICT	STATE
Item	Score Range	Assessment Objective*			
<b>State Goal 7: Measurement</b> Standards 7A, 7B, 7C: Units, Tools, Estimation, and Applications Students are asked to determine the total number of hours and minutes a boy played soccer for seven days. Students are also asked to show work.		7.4.06			
<b>Mathematical Knowledge</b> Knowledge of mathematical principles and concepts that result in a correct solution to a problem.	4 3 2 1 0				
<b>Strategic Knowledge</b> Identification of important problem elements and the use of models and/or algorithms to systematically represent and integrate concepts.	4 3 2 1 0				
<b>Explanation</b> 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>