



# TAKS Longitudinal Report ARPHS

Subject: Mathematics Grade: 10 Language: English Administration: 2004 - 2006

Objective	Grade 10	Grade 10	Grade 10
	2004	2005	2006
Objective 1 - Describe functional relationships in a variety of ways.	34%	30%	53%
Objective 2 - Demonstrate an understanding of the properties and attributes of functions.	29%	22%	41%
Objective 3 - Demonstrate an understanding of linear functions.	40%	30%	53%
Objective 4 - Formulate and use linear equations and inequalities.	25%	38%	51%
Objective 5 - Demonstrate an understanding of quadratic and other nonlinear functions.	30%	35%	46%
Objective 6 - Demonstrate an understanding of geometric relationships and spatial reasoning.	33%	26%	41%
Objective 7 - Demonstrate an understanding of two- and three-dimensional representations of geometric relationships and shapes.	53%	42%	54%
Objective 8 - Demonstrate an understanding of the concepts and uses of measurement and similarity.	34%	22%	34%
Objective 9 - Demonstrate an understanding of percents, proportional relationships, probability, and statistics in application problems.	15%	23%	38%
Objective 10 - Demonstrate an understanding of the mathematical processes and tools used in problem solving.	34%	25%	49%
Testing Standard	1 SEM	Panel	Panel
Students Tested	73	69	68
% Met Standard	55%	39%	57%
Average Scale Score	2084	2062	2163

