

HSPE Retest Matrix

HSPE Math						
	C1	C2	C3	C4	Total Items	
A1	0	6	4	3	13	22%
A2	2	9	6	6	23	38%
A3	4	6	8	6	24	40%
Total Items	6	21	18	15	60	100%
	10%	35%	30%	25%	100%	

Key:

CONTENT CLUSTERS

C1	=	Standard 1	=	Numbers and Operations
C2	=	Standard 2	=	Algebra
C3	=	Standards 3 and 4	=	Measurement and Geometry
C4	=	Standard 5	=	Data Analysis

MATHEMATICS ABILITIES

A1 Conceptual Understanding

Recognize, label, and generate examples/non-examples of concepts; use and interrelated models, diagrams, and manipulatives; use and apply math facts and definitions; identify and apply principles; compare and integrate related concepts and principles; recognize, interpret, and apply the signs, symbols, and terms used to represent concepts; interpret assumptions and relations involving concepts in math settings.

A2 Procedural Knowledge

Select and appropriately apply correct procedures, verify or justify the correctness of a procedure; extend or modify procedures to deal with factors inherent in problem settings; apply numerical algorithms appropriately; perform non-computational functions; describe why a particular procedure will give a correct answer for a problem in a specific context.

A3 Problem Solving

Students should show they are able to correctly apply their accumulated knowledge in new situations; recognize and formulate problems; determine the efficacy and relevance of data in problem-solving situations; use combinations of strategies, data, models, and procedures to answer questions; use reasoning in new settings; judge the reasonableness and correctness of solutions.