

Appendix A

ELEMENTARY SCHOOL SORTING ACTIVITY

Matrix of Features Exemplified by Each Task by Category

The purpose of this matrix is to provide a set of counterexamples to assumptions made regarding the categorization of the cognitive level of a task on the basis of surface features of the task.

Features of Tasks	Memo- rization		Procedures without Connections				Procedures with Connections					Doing Mathematics				
	E	L	A	D	G	O	F	I	K	M	P	B	C	H	J	N
Uses manipulatives		
Uses a calculator					.							.				
Uses a diagram				
Has real-world context			
Is symbolic or abstract			
Involves multiple steps, actions, or judgments					
Requires an explanation					
Is textbook-like