

Table 1.2 Georgia - Alignment Among the Technical, Content, and Cognitive Demands Categories for the Math Assessments

Test	Format				Context	Graphs			Diagrams			Formulas		Content							Cognitive Demands			
	MC	QC	GR	OE	C	S	RO	P	S	RO	P	M	G	PA	EA	IA	CG	PG	TR	SP	MISC	CU	PK	PS
<u>State Achievement Test</u>																								
GHSGT	100	0	0	0	62	9	0	0	21	0	0	11	6	25	18	2	9	29	0	18	0	29	69	2
<u>College Admissions Tests</u>																								
ACT	100	0	0	0	22	5	2	0	13	0	0	15	0	17	22	5	15	25	8	3	5	40	53	7
SAT I	58	25	17	0	25	7	0	0	18	0	0	1	8	13	37	2	6	19	0	13	11	32	53	15
SAT II Math Level IC	100	0	0	0	18	8	0	0	26	0	0	12	0	2	30	10	12	28	4	8	6	34	58	8
SAT II Math Level IIC	100	0	0	0	12	12	2	0	2	0	0	10	0	2	14	22	12	14	18	6	12	26	54	20
<u>College Placement Tests</u>																								
COMPASS Algebra	100	0	0	0	5	16	0	0	0	0	0	16	5	11	37	21	26	0	0	0	5	5	90	5
COMPASS Numerical Skills/Pre- algebra	100	0	0	0	41	0	0	0	0	0	0	0	0	88	0	0	0	0	0	12	0	12	82	6
GEMPT	100	0	0	0	6	0	3	0	6	0	0	13	3	3	44	31	9	13	0	0	0	0	100	0
UOG Math Placement Test	100	0	0	0	8	0	8	0	19	0	0	27	0	0	27	27	15	12	19	0	0	23	77	0

Table Continues

Format

MC = multiple-choice items
QC = quantitative comparison items
GR = fill-in-the-grid items

Notes.

Format

MC = multiple-choice items
QC = quantitative comparison items
GR = fill-in-the-grid items
OE = open-ended items
OE = open-ended items

Formulas

M = formula needs to be memorized
G = formula is provided

Contextualization

C = contextualized items

Contextualization

C = contextualized items

Content Areas

PA = prealgebra
EA = elementary algebra
IA = intermediate algebra
CG = coordinate geometry
PG = plane geometry
TR = trigonometry
SP = statistics and probability
MISC = miscellaneous topic

Diagrams

S = graph/diagram within item-stem
RO = graph/diagram within response options
P = graph/diagram needs to be produced

Diagrams

S = graph/diagram within item-stem
RO = graph/diagram within response options
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Cognitive Demands

CU = conceptual understanding
PK = procedural knowledge
PS = problem-solving