

ABO High-Level Blueprints: Mathematics

Math item counts per form*

Items	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Algebra I	Geometry	Algebra II
Type I									
1 point	24	20	20	18	20	20	16	18	16
2 points	3	5	5	4	5	3	5	6	7
4 points	-	-	-	1	0	1	1	0	0
Type II									
3 points	2	2	2	2	2	2	2	2	2
4 points	1	1	1	1	1	1	1	1	1
Type III									
3 points	2	2	2	2	2	2	1	1	1
6 points	1	1	1	1	1	1	2	2	2
Type I Totals	27	25	25	23	25	24	22	24	23
Type II Totals	3	3	3	3	3	3	3	3	3
Type III Totals	3	3	3	3	3	3	3	3	3

*The assessment will also include embedded field-test items which will not count towards a student's score.

Overview of Task Types

The assessments for mathematics will involve three primary types of tasks: Type I, II, and III. Each task type is described on the basis of several factors, principally the purpose of the task in generating evidence for certain sub claims.

Task Type	Description of Task Type
I. Tasks assessing <i>concepts, skills and procedures</i>	Balance of conceptual understanding, fluency, and application
	Can involve any or all mathematical practice standards
	Machine scorable including innovative, computer-based formats
	Sub-claims A and B
II. Tasks assessing <i>expressing mathematical reasoning</i>	Each task calls for written arguments / justifications, critique of reasoning, or precision in mathematical statements (MP.3, 6).
	Can involve other mathematical practice standards
	May include a mix of machine scored and hand scored responses
	Sub-claim C
III. Tasks assessing <i>modeling/applications</i>	Each task calls for modeling/application in a real-world context or scenario (MP.4)
	Can involve other mathematical practice standards
	May include a mix of machine scored and hand scored responses
	Sub-claim D