

# Claims Structure: Mathematics

Master Claim: for college and career readiness. The degree to which a student is college and career ready (or “on-track” to being ready) in mathematics. The student solves grade-level/course-level problems in mathematics as set forth in the Standards for Mathematical Content with connections to the Standards for Mathematical Practice.

Total Exam Score Points:  
92 (Grades 3-8), 107 (HS)

## Sub-Claim A: Major Content<sup>1</sup> with Connections to Practices

The student solves problems involving the Major Content<sup>1</sup> for her grade/course with connections to the Standards for Mathematical Practice.

~40 pts (3-8),  
~50 pts (HS)

## Sub-Claim B: Additional & Supporting Content<sup>2</sup> with Connections to Practices

The student solves problems involving the Additional and Supporting Content<sup>2</sup> for her grade/course with connections to the Standards for Mathematical Practice.

~18 pts (3-8),  
~25 pts (HS)

## Sub-Claim C: Highlighted Practices MP.3,6 with Connections to Content<sup>3</sup> (expressing mathematical reasoning)

The student expresses grade/course-level appropriate mathematical reasoning by constructing viable arguments, critiquing the reasoning of others, and/or attending to precision when making mathematical statements.

14 pts (3-8),  
14 pts (HS)

## Sub-Claim D: Highlighted Practice MP.4 with Connections to Content (modeling/application)

The student solves real-world problems with a degree of difficulty appropriate to the grade/course by applying knowledge and skills articulated in the standards for the current grade/course (or for more complex problems, knowledge and skills articulated in the standards for previous grades/courses), *engaging particularly in the Modeling practice*, and where helpful making sense of problems and persevering to solve them (MP. 1), reasoning abstractly and quantitatively (MP. 2), using appropriate tools strategically (MP.5), looking for and making use of structure (MP.7), and/or looking for and expressing regularity in repeated reasoning (MP.8).

12 pts (3-8),  
18 pts (HS)

## Sub-Claim E: Fluency in applicable grades (3-6)

The student demonstrates fluency as set forth in the Standards for Mathematical Content in her grade.

7-10 pts (3-6)

<sup>1</sup> For the purposes of the PARCC Mathematics assessments, the Major Content in a grade/course is determined by that grade level’s Major Clusters as identified in the *PARCC Model Content Frameworks v.3.0* for Mathematics. Note that tasks on PARCC assessments providing evidence for this claim will sometimes require the student to apply the knowledge, skills, and understandings from across several Major Clusters.

<sup>2</sup> The Additional and Supporting Content in a grade/course is determined by that grade level’s Additional and Supporting Clusters as identified in the *PARCC Model Content Frameworks v.3.0* for Mathematics.

<sup>3</sup> For 3 – 8, Sub-Claim C includes only Major Content. For High School, Sub-Claim C includes Major, Additional and Supporting Content.