

overall ratio on the assessment of content in high-priority clusters to other content should be about 3:1. Thus any particular student’s assessment will sample in greatest proportion from content clusters representing the major work of that grade, but, over the whole population, all content will be assessed.

Appendix A: CAT Sampling Proportions for Claim 1

The Content Specifications suggest that the computer-adaptive selection of items and tasks for Claim #1 be divided according to those clusters identified as “major” and those identified as “additional/supporting.” This breakdown of clusters for each grade level was conducted in close collaboration with lead authors of CCSSM and members of the CCSSM validation committee.

The tables below (only grade 5 is included) show the categorization for each cluster in CCSSM, and also show “internal relative weights” suggested by the Content Specification authors. The Consortium is encouraged to investigate the feasibility of incorporating internal relative weights into the computer adaptive administration of Smarter Balanced.

The two components envisioned for Smarter Balanced assessment of CCSSM are:

High-intensity assessed clusters, about 75%-80% of the item level scores

- o Also high-adaptivity: 3 or more questions, and can cross into neighboring grades
- o Consists of the major clusters (generally the progress to algebra continuum)
- o Internal relative weights used for content balancing

Low-intensity assessed clusters, about 20%-25% of the item level scores

- o Consists of the additional and supporting clusters
- o Internal relative weights used in a pure sampling approach

GRADE 5

Hi	75%	5.NF.A	Use equivalent fractions as a strategy to add and subtract fractions	40
		5.MD.C	Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition	%
		5.NF.B	Apply and extend previous understandings of multiplication and division to multiply and divide fractions	30
		5.NBT.B	Perform operations with multi-digit whole numbers and with decimals to hundredths	30
		5.NBT.A	Understand the place value system	%

Lo	25%	5.G.A	Graph points on the coordinate plane to solve real-world and mathematical problems	60
		5.G.B	Classify two-dimensional figures into categories based on their properties	%
		5.OA.A	Write and interpret numerical expressions	40
		5.OA.B	Analyze patterns and relationships	
		5.MD.A	Convert like measurement units within a given measurement system	
		5.MD.B	Represent and interpret data	%