

The purpose of this blueprint is to outline the percentage of items that will be assessed within the domains of the Kentucky Academic Standards (KAS) for Mathematics. The KAS for Mathematics emphasizes the balance between the Standards for Mathematical Practices and the Standards for Mathematical Content. The blueprint is designed to create an assessment that measures students' abilities to make sense and persevere when solving problems (MP.1), use quantities appropriately (MP.2), communicate and critique mathematical thinking (MP.3), model with mathematics (MP.4), strategically use tools (MP.5), attend to precision (MP.6), and to look for and apply structure (MP.7) and patterns (MP.8) to solve problems within grade-level content. The Standards for Mathematical Content are a balanced combination of conceptual understanding, procedural skills/fluency and application.

For more in-depth information on the KAS for Mathematics, please visit https://kystandards.org/content_area/math/.

Grade 10

- Algebra 22-27 %
- Functions 22-27 %
- Number and Quantity 10-15 %
- Geometry 25-30 %
- Statistics and Probability 10-15 %
- The assessment at Grade 10 will consist of 20-25% items that are **Non-Calculator**.

All test items will be aligned to the Standards for Mathematical Practice (see GREEN boxes on Standards Documents).

The screenshot shows a PDF document titled "Grade 10" with a table of target percentages for various mathematical categories. The table is as follows:

Conceptual Category	Target %
	Grade 10
Algebra	22-27
Functions	22-27
Number and Quantity	10-15
Geometry	25-30
Statistics and Probability	10-15
The assessment at Grade 10 will consist of 20-25% items that are Non-Calculator.	
All test items will be aligned to the Standards for Mathematical Practice.	