| OHIO Grade 4 Mathematics Achievement Test Blueprint | | | | |
|---|---|---|---|---|
| | **Item Type** | | | |
| **Standard** | **Multiple Choice** | **Short Answer** | **Extended Response** | **Points** |
| | | | | |
| Number, Number Sense and Operations | 8 – 12 | 1 – 2 | 0 – 1 | 14 – 16 |
| Measurement | 4 – 7 | 0 – 2 | 0 – 1 | 8 – 9* |
| Geometry and Spatial Sense | 5 – 8 | 0 – 2 | 0 – 1 | 9 – 10* |
| Patterns, Functions and Algebra | 5 – 8 | 0 – 2 | 0 – 1 | 9 – 10** |
| Data Analysis and Probability | 6 – 9 | 0 – 2 | 0 – 1 | 10 – 11** |
| Number of Scored Items | 32 | 6 | 2 | -- |
| Total Numbers | 40 items | | | 52 points |

* The combined number of points for these two standards on any test form will not exceed 18 points.
** The combined number of points for these two standards on any test form will not exceed 20 points.

**Item Distribution**

Items are distributed among four item formats on each form of the test according to the following guidelines:

- Each of the five standards is assessed by multiple-choice items and at least one constructed-response item on every form of the test.
- The number of points from constructed-response items will be no greater than 50% of the total points for the standard.

| Level of Complexity | Characteristics | % of Points |
|---|---|---|
| Low | Requires recall of facts and definitions or performing routine, specified procedures. | 25 - 35% |
| Moderate | Requires some interpretation or multi-step problem solutions. | 40 - 50% |
| High | Requires analysis of or justifying reasoning and solution for more complicated problem situations. | 15 - 25% |

**Students will not be permitted access to calculators during test administration.**

*Source:Office of Assessment, and Office of Curriculum and Instruction Mathematics Team, Ohio Department of Education May 19, 2004*