

Math Constructed-Response Items Overview

Constructed-response items for math provide students with an opportunity to solve problems and explain their methodology for solving problems; communicate mathematical ideas in a variety of ways; apply estimation strategies; and select and use appropriate technology to enhance mathematical understanding. Constructed-response items for math will generally allow students an opportunity to show what they know and are able to do in relationship to several different content standards.

Please note that Mathematics Content Standard 1 is essential to all mathematics and is incorporated in all other mathematics standards. All of the constructed-response mathematics items on the MontCAS, Phase 2 tests also incorporate Content Standard 1 so it is not repeated for every item.

Grade 4: Item 23: Montana Content Standards 7.1; and 7.2
Item 24: Montana Content Standards 5.1; 5.2; 5.3; and 5.4

Grade 8: Item 16: Montana Content Standards 6.1; and 6.2
Item 41: Montana Content Standards 7.1; 7.2; 7.3; 7.4; and 7.5

Grade 10: Item 40: Montana Content Standard 4
Item 41: Montana Content Standard 6

Note: Specific benchmarks cannot be identified for Grade 10 because Montana Content Standards are designed for what students should know and be able to do by the end of 12th grade. The MontCAS Phase 2 test, however, is based on what students are expected to know at the end of 10th grade.