

FCAT MATHEMATICS SCORING RUBRICS

Rubrics are the scoring guidelines or criteria used to evaluate all Mathematics performance tasks. The rubric describes what is required for each possible score point.

For the extended-response tasks, a 4-point rubric is used (4, 3, 2, 1). A 2-point rubric (2, 1) is used for short-response tasks. A score of "0" is used for responses that are completely incorrect, irrelevant, uninterpretable, or blank.

Tables 8.1 and 8.2 provide the general FCAT Mathematics scoring rubrics for grades 5, 8 and 10.

TABLE 8.1: GENERAL FCAT MATHEMATICS SCORING RUBRICS GRADES 5, 8, AND 10	
Source: Florida Department of Education	
SHORT-RESPONSE (SR) TASKS	
POINTS	RESPONSE SCORING
2 points	A score of two indicates that the student has demonstrated a thorough understanding of the mathematics concepts and/or procedures embodied in the task. The student has completed the task correctly, in a mathematically sound manner. When required, student explanations and/or interpretations are clear and complete. The response may contain minor flaws that do not detract from the demonstration of a thorough understanding.
1 point	A score of one indicates that the student has provided a response that is only partially correct. For example, the student may provide a correct solution, but may demonstrate some misunderstanding of the underlying mathematical concepts or procedures. Conversely, a student may provide a computationally incorrect solution but could have applied appropriate and mathematically sound procedures, or the student's explanation could indicate an understanding of the task, despite the error.
0 points	A score of zero indicates the student has provided either no response at all, or a completely incorrect or uninterpretable response, or demonstrated insufficient understanding of the mathematics concepts and/or procedures embodied in the task. For example, a student may provide some work that is mathematically correct, but the work does not demonstrate even a rudimentary understanding of the primary focus of the task.

TABLE 8.2: GENERAL FCAT MATHEMATICS SCORING RUBRICS GRADES 5, 8, AND 10
 Source: Florida Department of Education

EXTENDED-RESPONSE (ER) TASKS	
POINTS	RESPONSE SCORING
4 points	A score of four is a response in which the student demonstrates a thorough understanding of the mathematics concepts and/or procedures embodied in the task. The student has responded correctly to the task, used mathematically sound procedures, and provided clear and complete explanations and interpretations. The response may contain minor flaws that do not detract from the demonstration of a thorough understanding.
3 points	A score of three is a response in which the student demonstrates an understanding of the mathematics concepts and/or procedures embodied in the task. The student's response to the task is essentially correct with the mathematical procedures used and the explanations and interpretations provided demonstrating an essential but less than thorough understanding. The response may contain minor flaws that reflect inattentive execution of mathematical procedures or indications of some misunderstanding of the underlying mathematics concepts and/or procedures.
2 points	A score of two indicates that the student has demonstrated only a partial understanding of the mathematics concepts and/or procedures embodied in the task. Although the student may have used the correct approach to obtaining a solution or may have provided a correct solution, the student's work lacks an essential understanding of the underlying mathematical concepts. The response contains errors related to misunderstanding important aspects of the task, misuse of mathematical procedures, or faulty interpretations of results.
1 point	A score of one indicates that the student has demonstrated a very limited understanding of the mathematics concepts and/or procedures embodied in the task. The student's response is incomplete and exhibits many flaws. Although the student's response has addressed some of the conditions of the task, the student reached an inadequate conclusion and/or provided reasoning that was faulty or incomplete. The response exhibits many flaws or may be incomplete.
0 points	A score of zero indicates the student has provided either no response at all, or a completely incorrect or uninterpretable response, or demonstrated insufficient understanding of the mathematics concepts and/or procedures embodied in the task. For example, a student may provide some work that is mathematically correct, but the work does not demonstrate even a rudimentary understanding of the primary focus of the task.