

Scoring Keys, Scoring Rubrics, Anchor Papers and Practice Papers for Short-Answer and Extended-Response Items

This section of the scoring guide and training manual gives the scoring rubrics, anchor papers, and practice papers for each item in the High School

**Anchor Papers for Each Score Level**

**Score:**

4

**Score:**

3

**Score:**

2

**Score:**

1

Score: 4

Score: 3

Score: 2

Score: 1

Figure 6-A:

**Scoring Rule (Rubric)**

SCORING GUIDE AND TRAINING MANUAL

ITEM 11

HIGH SCHOOL MATHEMATICS

**Scoring Rubric**

| Grade 10 Mathematics Release Test Item 13   |  |
|---|--|
| Strand: Communicate Understanding   |  |
| (CU02)  | Learning Target: Clearly organize, present, and express mathematical information, understandings, and ideas in ways appropriate for the given audience and purpose |
| A 4-point response demonstrates mathematical communication by doing the following:  |  |
| • Includes all four (4) components (wood, surfacing, concrete, and total).  |  |
| • Presentation has a layout that is clear, organized, includes identifications, and sequencing is appropriate.  |  |
| • Labels for at least two of the three components (ft, ft <sup>2</sup> , and ft <sup>3</sup> ) are used sufficiently to demonstrate understanding of and appropriate use. |  |
| • Conversions between measurements such as cubic feet to cubic yards, and calculations are appropriate and accurate.  |  |
| A 3-point response includes three of the four listed above.   |  |
| A 2-point response includes two of the four listed above.   |  |
| A 1-point response includes one of the four listed above.   |  |
| A 0-point response shows little or no mathematical understanding of the task  |  |

Use the answer key on the next page to assign scores to multiple-choice answers. Short-answer and extended-response items are identified in the table with shaded rows. For each of the short answer and extended-response items, a scoring rubric is given. Anchor papers follow the scoring rubrics. Annotations (explanations) for the scores assigned to each anchor paper are also given.

## Release Test Scoring Key

| Scoring Rule (Rubric) |                                       |             |                         |
|-----------------------|---------------------------------------|-------------|-------------------------|
| Item Number           | Strand                                | Strand Code | Answer Key or Item Type |
| 1                     | Algebraic Sense                       | AS          | B                       |
| 2                     | Number Sense                          | NS          | C                       |
| 3                     | Geometric Sense                       | GS          | D                       |
| 4                     | Measurement                           | ME          | S*                      |
| 5                     | Probability and Statistics            | PS          | B                       |
| 6                     | Probability and Statistics            | PS          | B                       |
| 7                     | Geometric Sense                       | GS          | A                       |
| 8                     | Algebraic Sense                       | AS          | S                       |
| 9                     | Makes Connections                     | MC          | A                       |
| 10                    | Communicates Understanding            | CU          | S                       |
| 11                    | Probability and Statistics            | PS          | S                       |
| 12                    | Algebraic Sense                       | AS          | B                       |
| 13                    | Communicates Understanding            | CU          | E*                      |
| 14                    | Makes Connections                     | MC          | A                       |
| 15                    | Geometric Sense                       | GS          | C                       |
| 16                    | Measurement                           | ME          | A                       |
| 17                    | Solves Problems and Reasons Logically | SR          | E                       |
| 18                    | Algebraic Sense                       | AS          | B                       |
| 19                    | Geometric Sense                       | GS          | B                       |
| 20                    | Makes Connections                     | MC          | S                       |
| 21                    | Number Sense                          | NS          | C                       |
| 22                    | Measurement                           | ME          | A                       |
| 23                    | Number Sense                          | NS          | C                       |
| 24                    | Measurement                           | ME          | S                       |
| 25                    | Geometric Sense                       | GS          | D                       |
| 26                    | Geometric Sense                       | GS          | D                       |
| 27                    | Algebraic Sense                       | AS          | S                       |
| 28                    | Number Sense                          | NS          | S                       |
| 29                    | Number Sense                          | NS          | A                       |
| 30                    | Solves Problems and Reasons Logically | SR          | B                       |
| 31                    | Solves Problems and Reasons Logically | SR          | E                       |
| 32                    | Probability and Statistics            | PS          | B                       |
| 33                    | Algebraic Sense                       | AS          | A                       |
| 34                    | Measurement                           | ME          | S                       |
| 35                    | Number Sense                          | NS          | S                       |
| 36                    | Measurement                           | ME          | D                       |
| 37                    | Makes Connections                     | MC          | B                       |
| 38                    | Makes Connections                     | MC          | C                       |
| 39                    | Communicates Understanding            | CU          | E                       |
| 40                    | Solves Problems and Reasons Logically | SR          | S                       |
| 41                    | Probability and Statistics            | PS          | B                       |
| 42                    | Probability and Statistics            | PS          | A                       |

\* Shaded rows identify short - answer (S) and extended response (E) items