<table>
<thead>
<tr>
<th>7th grade Task 1 Quiz</th>
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<tbody>
<tr>
<td><strong>Student Task</strong></td>
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<tr>
<td><strong>Core Idea 3</strong></td>
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<td><strong>Number and Operations</strong></td>
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Quiz

This problem gives you the chance to:
• interpret a table of data
• compare results of calculations

Steve, Marty, Zac, and Liz take part in a quiz. The quiz consists of ten questions. Here are their results:

<table>
<thead>
<tr>
<th></th>
<th>Steve</th>
<th>Marty</th>
<th>Zac</th>
<th>Liz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of correct answers</td>
<td>5</td>
<td>4</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>Number of incorrect answers</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Number of questions not attempted</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>4</td>
</tr>
</tbody>
</table>

A correct answer scores 3 points.
An incorrect answer scores minus 2 points.
A question not attempted scores 0 points.

This is how Steve works out his total score:
5 \times 3 = 15 \text{ points}, \ 4 \times -2 = -8 \text{ points}, \ and \ 1 \times 0 = 0 \text{ points} = 7 \text{ points}

1. Who scores the most points?
   Show how you figured it out.

2. One of the rules is changed.
   A question not attempted scores minus 1 point.

   Who scores the most points?
   Show how you figured it out.

Seventh Grade – 2004
**Quiz**

The core elements of performance required by this task are:
- interpret a table of data
- compare results of calculation

Based on these, credit for specific aspects of performance should be assigned as follows:

<table>
<thead>
<tr>
<th>Points</th>
<th>Section Points</th>
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</table>

1. **Gives correct answer:**
   - **Liz** scores most points (dependent on all scores shown; at least one correct) 1 ft

   Shows that:
   - Marty scores
     - $4 \times 3 - 4 \times 2 + 2 \times 0 = 4$ points
   - Zac scores
     - $6 \times 3 - 3 \times 2 + 1 \times 0 = 12$ points
   - Liz scores
     - $5 \times 3 - 1 \times 2 + 4 \times 0 = 13$ points

2. **Gives correct answer:**
   - **Zac** scores most points (dependent on all scores shown; at least one correct) 1 ft

   Shows that:
   - Steve scores
     - $5 \times 3 - 4 \times 2 - 1 \times 1 = 6$ points
   - Marty scores
     - $4 \times 3 - 4 \times 2 - 2 \times 1 = 2$ points
   - Zac scores
     - $6 \times 3 - 3 \times 2 - 1 \times 1 = 11$ points
   - Liz scores
     - $5 \times 3 - 1 \times 2 - 4 \times 1 = 9$ points

   4 correct scores 3 points

   **Partial credit**
   - 3 correct scores 2 points
   - 2 correct scores 1 point

   **Total Points** 8