Reporting Categories and Content Standards

<table>
<thead>
<tr>
<th>Reporting Category/Domain</th>
<th>Content Standards Assessed</th>
<th>Approximate # of Points</th>
<th>Approximate % of Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equations</td>
<td>N-Q</td>
<td>17</td>
<td>30%</td>
</tr>
<tr>
<td></td>
<td>(1, 2, 3)</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>A-CED</td>
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<tr>
<td></td>
<td>(1, 2, 3, 4)</td>
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<td></td>
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<tr>
<td></td>
<td>A-REI</td>
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<tr>
<td></td>
<td>(1, 3, 4, 4a, 4b, 5, 6, 10, 11, 12)</td>
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<tr>
<td>Expressions</td>
<td>N-RN</td>
<td>12</td>
<td>20%</td>
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<tr>
<td></td>
<td>(2, 3)</td>
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<td></td>
<td>A-SSE</td>
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<tr>
<td></td>
<td>(1, 1a, 1b, 2, 3, 3a, 3b)</td>
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<td></td>
<td>A-APR</td>
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<td>(1)</td>
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<tr>
<td>Functions</td>
<td>F-IF</td>
<td>20</td>
<td>35%</td>
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<td>(1, 2, 3, 4, 5, 6, 7a, 7e, 8, 8a, 9)</td>
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<td>F-BF</td>
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<td>(1, 1a, 2, 3)</td>
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<td>F-LE</td>
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<td></td>
<td>(1, 1a, 1b, 1c, 2, 3, 5)</td>
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<tr>
<td>Algebra Connections to</td>
<td>S-ID</td>
<td>9</td>
<td>15%</td>
</tr>
<tr>
<td>Statistics and Probability</td>
<td>(1, 2, 3, 5, 6, 6a, 6c, 7, 8, 9)</td>
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<td></td>
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<td><strong>Total</strong></td>
<td><strong>58</strong></td>
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<tr>
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<td></td>
<td></td>
<td><strong>100%</strong></td>
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</tbody>
</table>

The Standards for Mathematical Practice (1-8) will be embedded within items aligned to the mathematical content standards.

Item Types

<table>
<thead>
<tr>
<th>Item Type</th>
<th># of Items</th>
<th># of Points</th>
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</thead>
<tbody>
<tr>
<td>1-point Selected-Response and Technology-Enhanced Items$^1,^2$</td>
<td>42</td>
<td>42</td>
</tr>
<tr>
<td>2-point Technology-Enhanced Items$^1$</td>
<td>8</td>
<td>16</td>
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<tr>
<td>Total</td>
<td><strong>50</strong></td>
<td><strong>58</strong></td>
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</tbody>
</table>

$^1$ Technology-Enhanced: Possible variants of the technology-enhanced item types used for Mathematics include multiple-part selected-response, multiple-select, drag-and-drop, drop-down, graphing, and keypad-input.

$^2$ 1-point Selected-Response and Technology-Enhanced Items: The ratio of selected-response to technology-enhanced items may vary. The target range of 1-point technology-enhanced items is 0 to 5.

Depth of Knowledge

Depth of Knowledge (DOK) is measured on a scale of 1 to 4 and refers to the level of cognitive demand (different kinds of thinking) required to complete an assessment item. The following table shows the expectations of the four DOK levels on the End-of-Course Algebra 1 exam.

<table>
<thead>
<tr>
<th>Depth of Knowledge</th>
<th>Approximate # of Points</th>
<th>Approximate % of Test</th>
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</thead>
<tbody>
<tr>
<td>Level 1</td>
<td>15 to 20</td>
<td>25% to 35%</td>
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<tr>
<td>Level 2</td>
<td>26 to 32</td>
<td>45% to 55%</td>
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<tr>
<td>Level 3</td>
<td>9 to 15</td>
<td>15% to 25%</td>
</tr>
<tr>
<td>Level 4</td>
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</table>