Think Smart for the Smarter Balanced Assessment

- Smarter Balanced Assessment Item Types
- Countdown to SBAC
- Chapter Tests in SBAC Format
- Chapter Performance Tasks, Rubrics, and Student Work Samples
- Benchmark Tests with Performance Tasks

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- Question Analysis Charts
- Student Scoring Rubrics
- Technology-Enhanced Questions
- More Performance Tasks!
Countdown: 13 Weeks

1. The cost of using a computer at an Internet café includes a flat fee plus a rate per minute of use as shown by the table. 8.F.4

<table>
<thead>
<tr>
<th>Time (min), $x$</th>
<th>1</th>
<th>5</th>
<th>10</th>
<th>15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Cost ($), $y$</td>
<td>2.20</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

Select whether each statement is true or false.

True  False
☐  ☐ The flat fee for Internet use is $2.00.
☐  ☐ The cost increases at a rate of $0.50 for every 1 minute the computer is used.
☐  ☐ The cost for using a computer for 45 minutes is $9.00.
☐  ☐ The cost for using a computer for 55 minutes is $13.00.

2. The graph shows Ira’s activities on his way to his grandmother’s house and home again on Thursday. Write the segment that corresponds to each statement. 8.F.5

Think Smart for SBAC
On the actual test, you might be asked to click the appropriate box for each statement. In this book, you will be asked to shade the boxes instead.

Segment A  Segment B  Segment C  Segment D  Segment E

☐  □ Ira walks from his grandmother’s house to his home.
☐  □ Ira visits his grandmother.
☐  □ Ira stops at a diner for a sandwich.
☐  □ Ira begins walking from his home to his grandmother’s house.
☐  □ Ira leaves the diner and walks to his grandmother’s house.
3. Mr. Okoro gave his students an assignment that was worth 100 points. Hector earned a score of 87.5%, Abby earned $\frac{87}{100}$ of the total points, Isaiah earned $\sqrt{7,774}$ points, and Elena earned $\frac{8}{9}$ of the total points. Plot points on the number line to represent each student’s score. 8.NS.1

4. Jayla charges $9 for each hair band she makes. 8.F.1

**Part A:** Complete the table of ordered pairs to show the total amount Jayla charges for making different numbers of hair bands.

<table>
<thead>
<tr>
<th>Hair Bands Made</th>
<th>Total Charge ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

**Part B:** Use the coordinate plane to express the relation as a graph.

**Part C:** How much would Jayla charge to make 14 hair bands for a wedding?

5. An insect called a *froghopper* is $2^3$ millimeters long and jumps $2^2$ millimeters high. About how many times its body length did the froghopper jump? Explain your reasoning. 8.EE.1
Countdown: 13 Weeks

1. The cost of using a computer at an Internet café includes a flat fee plus a rate per minute of use as shown by the table. 8.F.4

<table>
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</table>

Select whether each statement is true or false.

- True
  - The flat fee for Internet use is $2.00.
  - The cost increases at a rate of $0.50 for every 1 minute the computer is used.
  - The cost for using a computer for 45 minutes is $9.00.
  - The cost for using a computer for 55 minutes is $13.00.

- False

Think Smart for SBAC

On the actual test, you might be asked to circle the appropriate box for each statement. In this book, you will be asked to shade the boxes instead.

2. The graph shows Ira’s activities on his way to his grandmother’s house and home again on Thursday. Write the segment that corresponds to each statement. 8.F.5

- Segment A
- Segment B
- Segment C
- Segment D
- Segment E

- Segment E
  - Ira walks from his grandmother’s house to his home.
- Segment D
  - Ira visits his grandmother.
- Segment B
  - Ira stops at a diner for a sandwich.
- Segment A
  - Ira begins walking from his home to his grandmother’s house.
- Segment C
  - Ira leaves the diner and walks to his grandmother’s house.

3. Mr. Okoro gave his students an assignment that was worth 100 points. Hector earned a score of 87.5%, Abby earned \( \frac{87}{100} \) of the total points, Isaiah earned \( \sqrt{7774} \) points, and Elena earned \( \frac{8}{9} \) of the total points. Plot points on the number line to represent each student’s score. 8.NS.1

4. Jayla charges $9 for each hair band she makes. 8.F.1

- Part A: Complete the table of ordered pairs to show the total amount Jayla charges for making different numbers of hair bands.

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</tr>
</thead>
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<td>1</td>
<td>9</td>
</tr>
<tr>
<td>2</td>
<td>18</td>
</tr>
<tr>
<td>3</td>
<td>27</td>
</tr>
<tr>
<td>4</td>
<td>36</td>
</tr>
<tr>
<td>5</td>
<td>45</td>
</tr>
</tbody>
</table>

- Part B: Use the coordinate plane to express the relation as a graph.

- Part C: How much would Jayla charge to make 14 hair bands for a wedding?

\[ $126 \]

5. An insect called a frog hopper is 2\( ^{3} \) millimeters long and jumps 2\( ^{3} \) millimeters high. About how many times its body length did the frog hopper jump? Explain your reasoning. 8.EE.1

\[ 64 \text{ times}; 2^{3} \div 2^{3} = 2^{3} - 3 = 2^{6} = 64 \]