Connecting Productive Talk to Application

Look at the SBAC samples below; reflect on the 4 steps to Productive Talk to the right. Which of these steps may children use when they are working with these problems? Might they use more than one?

**3rd Grade Items**

- **Part A**
  Susan says that all of the figures are parallelograms because they have exactly four sides. Is she correct? Explain your answer.

- **Part B**
  What name, based on the number of sides, should Susan use to describe all of the figures?

**Moving toward Productive Talk**

- **Step 1**: Helping Individual Students Clarify and Share Their Own Thoughts
- **Step 2**: Helping Students Orient to the Thinking of Others
- **Step 3**: Helping Students Deepen Their Own Reasoning
- **Step 4**: Helping Students Engage with the Reasoning of Others
Moving toward Productive Talk:
Step 1: Helping Individual Students Clarify and Share Their Own Thoughts
Step 2: Helping Students Orient to the Thinking of Others
Step 3: Helping Students Deepen Their Own Reasoning
Step 4: Helping Students Engage with the Reasoning of Others

4th Grade Items

7. Maya is building a tower with blocks. The table below shows the number and color of the blocks.

<table>
<thead>
<tr>
<th>Color</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>25</td>
</tr>
<tr>
<td>Green</td>
<td>28</td>
</tr>
<tr>
<td>Blue</td>
<td>29</td>
</tr>
<tr>
<td>Yellow</td>
<td>24</td>
</tr>
</tbody>
</table>

- Maya builds a tower that uses 6 blocks for each level.
- Maya uses exactly 2 different colors.
- There are no blocks remaining of the 2 colors Maya uses.

Which color blocks does Maya use? Click on the correct two colors.

How many levels does Maya’s tower have? Drag the correct number to the box.

1. Claim: To create a fraction greater than 3, you have to make the denominator less than 7.
   A. Drag one number into each box to create a fraction greater than 3 with a denominator less than 7.
   B. Drag one number into each box to create a fraction greater than 3 with a denominator greater than 7.

5th Grade Items

20. In a game at a carnival, a person throws rings onto a table with different colors painted on it. Each color has different point values as shown.
   - Blue: 5 points
   - Red: 3 points
   - Yellow: 2 points

Halley plays the game. Exactly 12 rings thrown by Halley landed in the red section as shown. She keeps throwing more rings. She eventually scores 55 points.

Drag rings onto the blue and yellow areas to show how Halley could score 55 points.

14. William used 6 squares to make the figure shown.

   - A. Click to add a square so that the perimeter increases.
   - B. Click to add a square so that the perimeter stays the same.
   - C. Click to add a square so that the perimeter decreases.

3. Find the correct area, in square feet, of the rectangle.