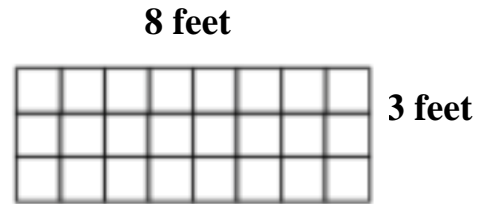


Name: \_\_\_\_\_

Date: \_\_\_\_\_

**PART A**

Abby designs a new table for her dining room.  
The length of the table is 8 feet. The width is 3 feet.  
Her drawing of the table can be seen on the right.  
Find the area of the table.



Enter your answers in the space provided.

**PART B**

Abby decides to revise her plans for the table because she decides the table will be too big. She decides to decrease both the length and the width by 1 foot each. Find the new area AND perimeter using the adjusted measurements. Show all of your work or explain how you found the new area AND perimeter.



Enter your answers and your work or explanation in the space provided.

## ANSWER KEY

Rubric Part A	
Score	Description
1	<p>Student response includes the following components:</p> <ul style="list-style-type: none"> <li>• Computation component = 1 point                             <ul style="list-style-type: none"> <li>○ Correct answers:                                     <ul style="list-style-type: none"> <li>▪ Area = 24 square feet.</li> <li>▪ Perimeter = 22 feet.</li> </ul> </li> </ul> </li> </ul>
0	Student response is incorrect or irrelevant.
Rubric Part B	
Score	Description
3	<p>Student response includes the following components:</p> <ul style="list-style-type: none"> <li>• Computation component = 1 point                             <ul style="list-style-type: none"> <li>○ Correct answer for the new area, 14 square feet.</li> </ul> </li> <li>• Computation component = 1 point                             <ul style="list-style-type: none"> <li>○ Correct answer for the new perimeter, 18 feet.</li> </ul> </li> <li>• Reasoning component = 1 point                             <ul style="list-style-type: none"> <li>○ Student shows correct work or clearly explains how correct answer was found.</li> </ul> </li> </ul> <p>Sample Student Response:                      “The new area will be 14 square feet and the new perimeter will be 18 feet. If Abby decreases the length and width by 1 foot each, the new length will be 7 feet and the new width will be 2 feet. To find the area, <math>7 \times 2 = 14</math>. To find the perimeter, <math>7 + 7 + 2 + 2 = 18</math>.”</p> <p><b>Note: other responses are valid.</b></p>
2	Student response contains 2 of the components listed above.
1	Student response contains 1 of the components listed above.
0	Student response is incorrect or irrelevant.

Glow	Grow