TIPP&SEE
Slicing Sandwiches

Scratch Link: Comparing Fractions: Slicing Sandwiches (https://scratch.mit.edu/projects/210103535/)

Start with TIPP&SEE!

Get a TIPP from the Project Page.

Read carefully:
   Title
   Instructions
   Purpose

Play the project and circle the action(s) that happened for each event below.

1. When I clicked 🎨:

   [Images of sandwich slices with text: talked, was sliced, nothing happened]

2. When I pressed the spacebar:

   [Images of sandwich slices with text: talked, was sliced, nothing happened]

3. When I clicked on the top sandwich:
   a. The top sandwich split into ______ equal pieces. Then ______ of the pieces were shown.
   b. The fraction of the top sandwich shown is: ________.

4. When I clicked on the bottom sandwich:
   a. The bottom sandwich split into ______ equal pieces. Then ______ of the pieces were shown.
   b. The fraction of the bottom sandwich shown is: ________.

5. At the end, which sandwich had more parts showing?
   - Top sandwich
   - Bottom sandwich
SEE inside. Make changes, play, and observe closely to understand the code.

EXPLORE: Click on the *Sprite*, and make these changes.

Watch only the top sandwich for changes.

a. Change \( \text{repeat 3} \) to \( \text{repeat 4} \). Run and watch.

b. Change \( \text{number of equal parts A 8} \) to \( \text{number of equal parts A 6} \). Run and watch.

c. Remove \( \text{add piece A} \). Run and watch.

d. Try other numbers in those blocks until you understand how they work.

EXPLORE: Circle your answer.

a. To get to the code that controls the bottom sandwich, you have to click on this Sprite.

b. This block sets the size of each piece of the top sandwich:

c. The number in this block is the same as the denominator:

d. The number in this block is the same as the numerator:

H ow many pieces will each code snippet show?

a._____

b._____

c._____

d._____
Same Denominators: Slicing Sandwiches


Use the Scratch project to help you fill in the missing parts for each problem. Be sure to:
- Write the numbers in the blocks.
- Write the fractions.
- Write the comparison symbol.

<table>
<thead>
<tr>
<th>(Top) Sandwich A Code</th>
<th>Fraction A</th>
<th>Comparison Symbol</th>
<th>Fraction B</th>
<th>(Bottom) Sandwich B Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Code" /></td>
<td>3/8</td>
<td>&lt;</td>
<td>5/8</td>
<td><img src="image2" alt="Code" /></td>
</tr>
<tr>
<td><img src="image3" alt="Code" /></td>
<td>3/5</td>
<td></td>
<td></td>
<td><img src="image4" alt="Code" /></td>
</tr>
<tr>
<td><img src="image5" alt="Code" /></td>
<td>4/12</td>
<td></td>
<td>7/12</td>
<td><img src="image6" alt="Code" /></td>
</tr>
</tbody>
</table>

Make your own fraction comparison.
**Same Denominators:**
**Slicing Sandwiches (con’t)**

5. Copy the answers from the previous page.

<table>
<thead>
<tr>
<th>A</th>
<th>?</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8</td>
<td>&lt;</td>
<td>5/8</td>
</tr>
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<td>4/12</td>
<td></td>
<td>7/12</td>
</tr>
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</table>

6. Put it all together by filling in the blanks.

a. **numerator A > numerator B**
   
   A ____ B

b. **numerator A < numerator B**
   
   A ____ B

c. **numerator A = numerator B**
   
   A ____ B