To make Sea Green paint, mix 3 parts of yellow paint with 4 parts of blue paint. The ratio is 3: 4.

Tom has 18 cups of yellow paint. He wants to use all the yellow paint to make Sea Green paint.

How much blue paint should he mix with the yellow paint to make Sea Green paint?

1. Tom starts to make the diagram below. **Complete the diagram** to find how many cups of blue paint he needs.

   **Example:**
   
<table>
<thead>
<tr>
<th>yellow</th>
<th>yellow</th>
<th>yellow</th>
<th>blue</th>
<th>blue</th>
<th>blue</th>
<th>blue</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 cups</td>
<td>6 cups</td>
<td>6 cups</td>
<td>6 cups</td>
<td>6 cups</td>
<td>6 cups</td>
<td></td>
</tr>
</tbody>
</table>

   18 Cups of Yellow Paint

   Tom needs 24 cups of blue paint.

2. **Draw a different diagram** to represent and solve the problem.

   **Example:**
   
   
   3 parts yellow
   4 parts blue
   18 cups
   18 cups
   18 cups
   24 cups
   42 cups
   6 cups per part!
   6*4=24
   18+24=42

3. **Write the missing amounts** on the directions to help Tom make Sea Green paint.

   **Directions for Sea Green Paint**
   
   Use the ratio of 3: 4 to mix yellow and blue paint

   yellow paint: 18 cups
   blue paint: 24 cups
   total amount of sea green paint: 42 cups