The roommates have decided that they will split the rent based on the size of the bedrooms. Calculate the rent for each roommate. You must show all of your work. Make sure that the roommates are paying the entire monthly rent.

**Option 1: cost per sq. ft.**

<table>
<thead>
<tr>
<th>sq. ft. bedrooms</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>B1: 150</td>
<td></td>
</tr>
<tr>
<td>B2: 150</td>
<td></td>
</tr>
<tr>
<td>B3: 192</td>
<td></td>
</tr>
<tr>
<td><strong>Total = 492 sq. ft.</strong></td>
<td></td>
</tr>
</tbody>
</table>

\[
\frac{1864}{492 \text{ sq. ft.}} = \$3.79 \text{ sq. ft.}
\]

\[
B1/B2 = 150 \cdot 3.79 = 569
\]

\[
B3 = 192 \cdot 3.79 = 728
\]

\[
\$1865
\]

\[
\frac{\% \text{ bedroom}}{B1/B2} = \frac{150}{1167} = 0.13 \cdot 100 = 13\%
\]

\[
B3 = \frac{192}{1167} = 0.16 \cdot 100 = 16\%
\]

\[
B1/B2 = 603
\]

\[
B3 = 659
\]

\[
\frac{\% \text{ Rent} \cdot \text{ Rent}}{\text{HOW MANY}}
\]

\[
0.13(1864) = \$242
\]

\[
0.16(1864) = \$298
\]

\[
\frac{782 \text{ Rms}}{}
\]

\[
\$1864 - 782 = \frac{1082}{3} \text{ common space}
\]

\[
\$361 \text{ extra}
\]