SECTION 19-1 Building Rental

Your business may rent or lease space in a building on an annual basis. The rent is based on a certain rate per square foot per year. Your total monthly rental charge depends on the number of square feet that your business occupies.

\[
\text{Monthly Rental Charge} = \frac{\text{Annual Rate} \times \text{Number of Square Feet}}{12}
\]

Find the number of square feet and monthly rental charge in the table below.

<table>
<thead>
<tr>
<th>Type of Building</th>
<th>Dimensions</th>
<th>Number of Square Feet</th>
<th>Annual Rate per Square Foot</th>
<th>Monthly Rental Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Pharmacy</td>
<td>25 ft by 40 ft</td>
<td></td>
<td>$10.50</td>
<td></td>
</tr>
<tr>
<td>2. Dry Cleaners</td>
<td>60 ft by 30 ft</td>
<td></td>
<td>6.75</td>
<td></td>
</tr>
<tr>
<td>3. Gift Shop</td>
<td>35 ft by 25 ft</td>
<td></td>
<td>8.25</td>
<td></td>
</tr>
</tbody>
</table>

4. The Bargain Barn is considering the rental of additional space at $5.85 per square foot per year. The space Bargain Barn wants to rent measures 150 feet by 150 feet. What monthly rent will Bargain Barn pay for the additional space?

5. Brookmans has rented additional mall space to expand its toy operation. The space measures 20 feet by 40 feet and rents for $15.75 per square foot per year. What monthly rent does Brookmans pay for the additional space?

6. Tops Sport Shop is opening a store at the Eastland Mall. The rent is $18.95 per square foot per year plus 5½ percent of the store’s gross sales. The area of the store is 2,500 square feet. If Tops has $526,000 in gross sales the first year, what monthly rent will it pay?

7. Sutter’s Fireplace is opening a branch store. The area of the new store is 4,100 square feet. The annual rental charge is $9.65 per square foot per year, plus 4½ percent of Sutter’s gross sales for the first year. If Sutter’s has $510,000 gross sales the first year, what monthly rent will it pay?

8. Your company is looking for a new warehouse to store the incoming inventory. At the Hurt Building, you can rent a space measuring 2,500 square feet for $9.75 per square foot per year. At the Maine Plaza Warehouse, you can rent a space measuring 3,000 square feet for $9.25 per square foot per year. How much is the monthly rental charge at the Hurt Building?

How much is the monthly rental charge at the Maine Plaza Warehouse?

Which location has a lower rental charge?