Check Up Quiz Investigation 2 (Unit Rates)

Show your work for all the problems.

1. Michael decided to make chocolate covered oreos. He finds a recipe that calls for the following ingredients:
   
   20 oreo cookies  
   8 tablespoons of butter  
   2 cups of sugar  
   4 cups of chocolate morsels

   a. How much sugar is used for each cookie? Complete the blank.

      For every one oreo cookie, the recipe requires __________ of a cup of sugar.

   b. How much butter is used for each cookie? Complete the blank.

      For every one oreo cookie, the recipe requires __________ of a tablespoon of butter.

   c. Michael makes a single recipe and shares the food equally among himself and his five family members. How many oreos does each person receive? (Total people sharing = 6 people)
2. Lucy is shopping for her younger brother’s birthday party. All twelve of their family members will be at the party.

a. She finds a package of 2 noise-makers. At this rate, how many packages will she need to buy so that each person has one noise-maker? *(She is shopping for 12 total people)*

b. A package of four fancy plastic hats costs $16. What is the unit price of a hat?

c. A dozen (dozen = 12) plain hats cost $5.89. What is the unit rate of a hat?

d. Suppose one balloon costs $7. Complete the table to find the cost of different numbers of balloons that Lucy might buy. Using the rate table, what would be the cost of 20 balloons?

<table>
<thead>
<tr>
<th>Number of Balloons</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>8</th>
<th>15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost ($)</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
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