Percentages

Name ______________________

September 17, 2009

1. A burger at Ricky C’s weighs 120 grams, of which 30 grams are filler. What percent of the burger is not filler?
   (A) 60%    (B) 65%    (C) 70%    (D) 75%    (E) 90%

2. For the game show *Who Wants To Be A Millionaire?*, the dollar values of each question are shown in the following table (where K = 1000).

<table>
<thead>
<tr>
<th>Question</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>100</td>
<td>200</td>
<td>300</td>
<td>500</td>
<td>1K</td>
<td>2K</td>
<td>4K</td>
<td>8K</td>
<td>16K</td>
<td>32K</td>
<td>64K</td>
<td>125K</td>
<td>250K</td>
<td>500K</td>
<td>1000K</td>
</tr>
</tbody>
</table>

Between which two questions is the percent increase of the value the smallest?
   (A) From 1 to 2 (B) From 2 to 3 (C) From 3 to 4 (D) From 11 to 12 (E) From 14 to 15

3. The students in Mrs. Sawyer’s class were asked to do a taste test of five kinds of candy. Each student chose one kind of candy. A bar graph of their preferences is shown. What percent of her class chose candy E?

(A) 5     (B) 12     (C) 15     (D) 16     (E) 20

4. Miki has a dozen oranges of the same size and a dozen pears of the same size. Miki uses her juicer to extract 8 ounces of pear juice from 3 pears and 8 ounces of orange juice from 2 oranges. She makes a pear-orange juice blend from an equal number of pears and oranges. What percent of the blend is pear juice?
   (A) 30    (B) 40    (C) 50    (D) 60    (E) 70

5. Business is a little slow at Lou’s Fine Shoes, so Lou decides to have a sale. On Friday, Lou increases all of Thursday’s prices by 10%. Over the weekend, Lou advertises the sale: “Ten percent off the listed price. Sale starts Monday.” How much does a pair of shoes cost on Monday that cost $40 on Thursday?
   (A) $36    (B) $39.60    (C) $40    (D) $40.40    (E) $44

6. One thousand pounds of cucumbers are 99% water. They are placed in a cellar and forgotten. When they are remembered, they are 98% water. How much do they weigh now?