**Percent Word Problems Quiz -- KEY**

1. Jim bought a new cell phone on sale for $89. If the phone was on sale for   
 20% off, what was the original price of the phone before the sale?

**Answer:** $111.25

2. Ana bought a dress that regularly sells for $240 on sale for $180. What   
 was the discount rate? Write your answer as a percent.

**Answer:** 25%

3. Mitch works for a store that marks up all of its items 30%. If the selling   
 price of an item was $52, what was the original cost of the item before   
 the mark up?

**Answer:** $40

4. Lucy wants to buy a hat for $24.50. If she lives in a city that has an 8%   
 tax rate, what will be the total price of the hat including tax?

**Answer:** $26.46

5. Including an 8.5% sales tax, Rick paid $13.02 for a pair of swimming   
 goggles. What was the price of the goggles before tax?

**Answer:** $12