Group Members:

| GILBERT PRESENT | DEATH ON SHIFT | | |
|---|---|---|---|
| | YES | NO | TOTAL |
| YES | 40 | 217 | 257 |
| NO | 34 | 1,350 | 1,384 |
| TOTAL | 74 | 1,567 | 1,641 |

Table 1. The data for the statistical analysis in the Gilbert case.

*The table above represents the total number of shifts during Gilbert's employment with the hospital.*

**Under the problem, write the unsimplified fraction you used to get your percent

1. How many total shifts? _____
2. How many shifts did Gilbert work? _____
3. What percent of shifts did Gilbert work? ** _____
4. How many total shifts had an occurrence of death? _____
5. What percent of total shifts had an occurrence of death?** _____
6. How many of Gilbert's shifts had an occurrence of death? _____
7. If Gilbert was NOT killing any of her patients, we can use the answer to #5 to determine the number of deaths we should ***expect*** to see during her shifts. Based on the other information we have, how could we find out how many deaths we should expect Gilbert to have on her shifts if she is innocent? Justify your conjecture.
8. Carry out the conjecture you defended with your answer for #7 by demonstrating the process step-by-step (using precision and appropriate units throughout your proof).
9. Compare your answer for #8 with your answer for #6. If you were the attorney AGAINST Gilbert, how would you use this information? Discuss below (at least 3 complete sentences).