Problem-Solving Decision: Reasonable Answers

Determine whether each answer is reasonable. Explain why or why not.

1. There were 214 people in the first tour group, 198 in the second, 315 in the third, and 598 in the fourth. Dean estimated 1,200 people toured the museum altogether.

Show Your Work

2. Lin has a $20 bill. Her groceries cost $13.95. She thinks she should get back $6.05 in change.

Show Your Work

3. A tour group consisted of 492 people. They are traveling in buses that hold 50 people each. One of the tourists thinks there are 12 buses in all.

Show Your Work

4. A box contains 376 stuffed animals representing the school mascot. Each one sells for $3.98. If all the stuffed animals sell, the school principal thinks they will make $160.

Show Your Work

5. Marcus paid for a bus ticket with a $50 bill. He received change of $15.35. He thinks that his ticket cost $25.65.