Problem-Solving Application: Interpret Remainders

Solve. Explain how you used the remainder.

1. A school has 836 students. The cafeteria can hold 250 students during one lunch shift. How many shifts are needed for lunch if all students eat in the cafeteria?

2. All 836 students are going to a wildlife conservatory. If each bus holds 52 students, how many buses will be completely filled?

3. The 836 students will go on a tour of the wildlife conservatory. Each tour group can take 50 students. How many students will be in the last tour group?

4. Of the 836 students, 125 will be picked up by their parents from the conservatory. The rest will ride the buses that hold 52 students each. How many buses will be filled on the way home?

5. In Problem 4, how many students will ride in the last bus home?