Problem-Solving Application:
Decide How to Write the Quotient

Hillside Elementary is taking its chorus to see a musical. Including teachers, the group consists of 36 people. Solve and explain how you used each remainder.

1. The school hires minivans that can hold up to 8 people. What is the minimum number of minivans the school needs to hire?

Show Your Work

2. The cost of the tickets for the musical is $990. What is the cost for each ticket?

3. After the musical, the chorus went to Al Covo Italian restaurant. The tables at Al Covo can seat 10 people. How many tables were needed?

4. On the ride to the city, 54 apples were eaten. Each person ate the same number of apples. How many apples did each person eat?

5. On the trip back to Hillside, the students discovered that they had collected 49 programs. If each person kept an equal number of programs, how many programs were left for the school?