Part 2 Going to the Theater

Arti and Lin helped collect tickets at Arti's mother's theater. Tickets for the play are $14 for adults and $9 for students. Adult theater members get a discount and only have to pay half-price ($7).

Number of Tickets in Each Category

Performance	Adult Tickets (full price)	Student Tickets	Adult Member Tickets
Friday	97	15	13
Saturday	103	21	20
Sunday	82	43	5

1. How many people attended each performance of the play?

2. Find the amount of money collected for each performance.

3. How many more adults than students saw the play?

Part 3 The Band

Choose an appropriate method to solve each of the following problems. For some questions you may need to find an exact answer, while for others you may only need an estimate. For each question, you may choose to use paper and pencil, mental math, or a calculator. Use a separate sheet of paper to explain how you solved each problem.

1. The Krinkles, a pop rock band from Chicago, toured the United States in the year 2000. Their tour van can travel about 12 miles on 1 gallon of gas. They bought about 200 gallons of gas on their tour. About how many miles did they travel?

2. If gas costs $1.50 per gallon, how much did the Krinkles spend on gas during their tour?

3. The Krinkles tour lasted 20 days. Each day the Krinkles budgeted $20 per person for food and $45 per person for a motel room. There are 5 members in the band. What was the total amount of money the band budgeted to spend on food, motel rooms, and gas?

4. On average, 300 people came to each of their concerts. Tickets were $5.00 per person at every concert.

   A. If they performed each of the 20 days of the tour, about how many people saw the Krinkles on tour?

   B. About how much money did they collect?

   C. After paying for gas, motels, and food, about how much money was left to pay the band?

   D. About how much did each member make?

   E. About how much did each band member make each day?