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Applications

Date_____ Period____

1) Abhasra and Amy are selling pies for a school fundraiser. Customers can buy cherry pies and pumpkin pies. Abhasra sold 6 cherry pies and 9 pumpkin pies for a total of $243. Amy sold 12 cherry pies and 3 pumpkin pies for a total of $201. Find the cost each of one cherry pie and one pumpkin pie.

2) The senior classes at High School A and High School B planned separate trips to the county fair. The senior class at High School A rented and filled 6 vans and 8 buses with 432 students. High School B rented and filled 12 vans and 6 buses with 444 students. Every van had the same number of students in it as did the buses. Find the number of students in each van and in each bus.

3) The school that Elisa goes to is selling tickets to the annual dance competition. On the first day of ticket sales the school sold 10 senior citizen tickets and 7 child tickets for a total of $91. The school took in $59 on the second day by selling 5 senior citizen tickets and 8 child tickets. What is the price each of one senior citizen ticket and one child ticket?

4) Natalie and Huong each improved their yards by planting rose bushes and ivy. They bought their supplies from the same store. Natalie spent $138 on 7 rose bushes and 12 pots of ivy. Huong spent $60 on 2 rose bushes and 6 pots of ivy. Find the cost of one rose bush and the cost of one pot of ivy.

5) Cody's school is selling tickets to a choral performance. On the first day of ticket sales the school sold 10 adult tickets and 6 student tickets for a total of $90. The school took in $153 on the second day by selling 11 adult tickets and 12 student tickets. What is the price each of one adult ticket and one student ticket?

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Answers to Applications (ID: 1)

1) cherry pie: $12, pumpkin pie: $19
2) Van: 16, Bus: 42
3) senior citizen ticket: $7, child ticket: $3
4) rose bush: $6, pot of ivy: $8
5) adult ticket: $3, student ticket: $10

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