

Solve using any method you choose. Don't forget to define your variables and check your answers!!

1. The admission fee at a small fair is \$1.00 for children and \$4.00 for adults. On a certain day, 2200 people enter the fair and \$4300 is collected. How many children and how many adults attended?
2. A landscaping company placed two orders with a nursery. The first order was for 13 bushes and 1 tree and totaled \$346. The second order was for 6 bushes and 2 trees and totally \$232. The bills do not list the per-item prices. What were the costs of one bush and of one tree?
3. You and your sister have \$200 each to spend at the mall. You come across a store that has all shirts and jeans on sale. You decide to purchase 1 shirt and 4 pairs of jeans and get \$42.00 back in change. Your sister buys 6 shirts and 2 pairs of jeans with \$22.00 back. How much does each item cost?
4. The manager of a movie theater wants to know the number of adults and seniors who go to the movies. The theater charges \$8.00 for each adults and \$6.50 for each senior. At a showing where 225 tickets were sold, the theater collected \$1698. How many of each type of ticket were sold?
5. A candy store manager is making a sour candy mix by combining sour cherry worms, which cost her \$2.50 per pound, and sour lime bugs, which cost her \$3.50 per pound. How much of each candy should she include if she wants 20 pounds of a mix that costs her a total of \$65.00?

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1. 1500 children and 700 adults
2. 1 bush costs \$23, 1 tree costs \$47
3. Shirts cost \$18 each, jeans cost \$35 each
4. 157 adults and 68 seniors
5. 5 pounds of sour cherry worms and 15 pounds of sour lime bugs