

## Word Problems: Money and Tickets

### Examples:

- 1) Four pencils and two pens cost \$0.7. Six pencils and five pens cost \$1.53. Find the unit cost of a pen and a pencil.
- 2) There were 166 paid admissions to a basketball game. The cost was \$2 per adult and \$0.75 per child. The amount taken in was \$293.25. How many adults and how many children attended the game?
- 3) On a table there are 20 coins, some quarters and some dimes. Their value is \$3.05. How many of each coin are there?

### Translate the statements to a system of equations and solve.

#### For credit, show both equations and the solution.

- 1) Four oranges and five apples cost \$2. Three oranges and four apples cost \$1.56. Find the unit cost of each fruit.
- 2) On a fishing trip, Brandon caught twenty-four fish. He caught some Rockfish averaging 2.5 lbs. and some Bluefish averaging 8 lbs. The total weight of the fish was 137 lbs. How many of each fish did Brandon catch?
- 3) Six bowls and three plates cost \$17.70. Two bowls and five plates cost \$12.70. Find the unit cost for the bowl and the plate.
- 4) The band Booster Club bought 29 tickets to a baseball game. Some of the tickets cost \$7 each and some tickets cost \$9 each. The total cost of the tickets was \$225. How many of each ticket were purchased?
- 5) There were 203 tickets sold for a school wrestling match. For those people who held Activity Cards, the admission price was \$1.25. For those who did not, the admission price was \$2. The total amount collected at the match was \$310. How many of each type of ticket were sold?
- 6) There were 200 tickets sold for a basketball game. Tickets cost \$1.50 for students and \$3 for adults. If the total amount collected was \$495, how many of each type of ticket were sold?
- 7) A florist put together a bouquet of roses and irises. The roses cost \$5 each and the irises cost \$3 each. There were 40 flowers in the bouquet which sold for \$146. How many of each flower was included?
- 8) A jar of dimes and quarters contains \$15.25. There are 103 coins in the jar. How many of each coin are there?
- 9) A vending machine takes only nickels and dimes. At the end of the day there were three times as many nickels as there were dimes, and a total of \$25. How many of each coin were in the machine?
- 10) Jason has some nickels and some dimes. The value of the coins is \$1.65. There are 12 more nickels than dimes. How many of each coin does Jason have?