

Substitution Word Problems*Mixture/Total Word Problems*

1) Damani saves his dimes and nickels. He has 80 coins in all, and they are worth \$6.60. How many of each coin does he have?

Key Steps

1. Define variables in WORDS.
2. Write two equations for the system.
3. Solve one of the equations for one variable (if necessary).
4. Use substitution.
5. Use units in your answer.

2) A snack bar sells two different sizes of snack packs. A large snack pack is \$5 and a small snack pack is \$3. In one day, the snack bar sold 60 snack packs for a total of \$220. How many small snack packs did the snack bar sell? How many large?

3) Adult tickets to a play cost \$22. Tickets for children cost \$15. Tickets for a group of 11 people cost a total \$228. How many adults attend the play? How many children attend?

4) In a talent show of singing and comedy acts, singing acts are 5min long and comedy acts are 3min long. The show has 12 acts and lasts 50min. How many singing acts and how many comedy acts are in the show?

