

Solving Systems of Equations by the Elimination Method

1. Tickets for a movie cost \$5 for adults and \$2 for students. One afternoon 21 tickets were sold and the receipts totaled \$72. How many of each type of ticket was sold?

a) Write a system of equations

a) _____

b) Solve using the elimination method.

b) Number of student tickets _____

Number of adult tickets _____

2. Ron has 30 nickels and dimes worth \$2.40. How many of each coin does he have?

a) Write a system of equations.

a) _____

b) Solve using the elimination method.

b) Number of nickels _____

Number of dimes _____

Systems of Equations - Day 8
Assignment

Name _____
Date _____ Period _____

3. The Spanish Club purchased 34 tacos for \$40 to sell for a fundraiser. They purchased chicken tacos for \$1 each and beef tacos for \$1.50 each. How many of each type of taco was purchased?

a) Write a system of equations.

a) _____

b) Solve using the elimination method.

b) Number of chicken tacos _____
Number of beef tacos _____

4. A scuba diving resort hotel offers divers two plans. Plan *A* gives 3 nights' lodging and 4 dives. Plan *B* gives 5 nights' lodging and 8 dives. How much does it cost for each night and each dive?

a) Write a system of equations.

a) _____

b) Solve using the elimination method.

b) Cost per night _____
Cost per dive _____