

5.4 Application of Linear Systems

Solve each application problem. First, select two variable for the two unknowns. then write a 2x2 linear system, solve the linear system, and express your answer in plain English.

1. 31 nickels and 17 quarters
2. $\frac{26}{3} \approx 8.7$ quarts of snapps and $\frac{10}{3} \approx 3.3$ quarts of brandy
3. 3.6 quarts of new and 4.4 quarts of old
4. 64.7 lb of Super Grain and 35.3 lb of Big Bird
5. \$93,301.89 in bonds and \$136,698.11 in money market
6. 16.9 gallons