

**Worksheet: Solving word problems using systems of equations (part 2). Identify your variables, set up a system of equations, and solve for your variables.**

1. The cost of 5 squash and 2 zucchini is \$1.32. Three squash and 1 zucchini cost \$0.75. Find the cost of each vegetable.
2. Judy worked 8 hours and Ben worked 10 hours. Their combined pay was \$80. When Judy worked 9 hours and Ben worked 5 hours, their combined pay was \$65. Find the hourly rate of pay for each person.
3. Rob has 40 coins, all dimes and quarters, worth \$7.60. How many dimes and how many quarters does he have?
4. Kelly has 24 dimes and quarters worth \$3.60. How many quarters does she have?
5. The talent show committee sold a total of 530 tickets in advance. Student tickets cost \$3 each and the adult tickets cost \$4 each. If the total receipts were \$1740, how many of each type of ticket were sold?