

**1.** You invest \$11,000 in bonds and stocks. The bonds earn 5% annual interest, and the stocks earn 8% annual interest. If the total interest earned for the year is \$730, how much did you invest in bonds and how much did you invest in stocks?

**2.** A grocer needs to mix raisins at \$2.00 per pound with granola at \$3.25 per pound to obtain 10 pounds of a mixture that costs \$2.50 per pound. How many pounds of raisins and how many pounds of granola must be used?

**3.** When a plane flies with the wind, it can travel 4200 miles in 6 hours. When the plane flies in the opposite direction, against the wind, it takes 7 hours to fly the same distance. Find the rate of the plane in still air and the rate of the wind.

**4.** A coin purse contains a mixture of 15 coins in dimes and quarters. The coins have a total value of \$3.30. Determine the number of dimes and the number of quarters in the purse.

Q: What five-letter word becomes shorter when you add two letters to it?