



4) Kevin invested part of his \$10,000 bonus in a certificate of deposit that paid 6% annual interest, and the remainder in a mutual fund that paid 11% annual interest. If his total interest for that year was \$700, how much did Kevin invest in the mutual fund?

5) A bank loaned out \$68,000, part of it at the rate of 14% per year and the rest at a rate of 8% per year. If the interest received was \$7000, how much was loaned at 14%?

6) Don James wants to invest \$65,000 to earn \$5350 per year. He can invest in B-rated bonds paying 11% per year or in a Certificate of Deposit (CD) paying 5% per year. How much money should be invested in each to realize exactly \$5350 in interest per year?

7) A bank loaned out \$61,000, part of it at the rate of 12% per year and the rest at a rate of 8% per year. If the interest received was \$5960, how much was loaned at 12%?

- 8) A bank loaned out \$65,000, part of it at the rate of 13% per year and the rest at a rate of 8% per year. If the interest received was \$6950, how much was loaned at 13%?
- 9) A college student earned \$8100 during summer vacation working as a waiter in a popular restaurant. The student invested part of the money at 10% and the rest at 6%. If the student received a total of \$626 in interest at the end of the year, how much was invested at 10%?
- 10) A bank loaned out \$62,000, part of it at the rate of 14% per year and the rest at a rate of 4% per year. If the interest received was \$5080, how much was loaned at 14%?
- 11) Don James wants to invest \$67,000 to earn \$5690 per year. He can invest in B-rated bonds paying 14% per year or in a Certificate of Deposit (CD) paying 5% per year. How much money should be invested in each to realize exactly \$5690 in interest per year?

- 12) The manager of a candy shop sells chocolate covered peanuts for \$10 per pound and chocolate covered cashews for \$15 per pound. The manager wishes to mix 100 pounds of the cashews to get a cashew-peanut mixture that will sell for \$14 per pound. How many pounds of peanuts should be used?
- 13) The manager of a coffee shop has one type of coffee that sells for \$9 per pound and another type that sells for \$15 per pound. The manager wishes to mix 60 pounds of the \$15 coffee to get a mixture that will sell for \$10 per pound. How many pounds of the \$9 coffee should be used?
- 14) The manager of a candy shop sells chocolate covered peanuts for \$9 per pound and chocolate covered cashews for \$15 per pound. The manager wishes to mix 30 pounds of the cashews to get a cashew-peanut mixture that will sell for \$14 per pound. How many pounds of peanuts should be used?
- 15) The manager of a candy shop sells chocolate covered peanuts for \$9 per pound and chocolate covered cashews for \$12 per pound. The manager wishes to mix 100 pounds of the cashews to get a cashew-peanut mixture that will sell for \$10 per pound. How many pounds of peanuts should be used?

- 16) The manager of a coffee shop has one type of coffee that sells for \$9 per pound and another type that sells for \$15 per pound. The manager wishes to mix 90 pounds of the \$15 coffee to get a mixture that will sell for \$10 per pound. How many pounds of the \$9 coffee should be used?
- 17) The manager of a candy shop sells chocolate covered peanuts for \$9 per pound and chocolate covered cashews for \$13 per pound. The manager wishes to mix 30 pounds of the cashews to get a cashew-peanut mixture that will sell for \$12 per pound. How many pounds of peanuts should be used?
- 18) On a road trip, five friends drove at 55 miles per hour to California. On the way home, they took the same route but drove 75 miles per hour. How many miles did they drive on the way to California if the round trip took 10 hours?
- 19) On a road trip, five friends drove at 50 miles per hour to California. On the way home, they took the same route but drove 70 miles per hour. How many miles did they drive on the way to California if the round trip took 10 hours?

20) On a road trip, five friends drove at 55 miles per hour to California. On the way home, they took the same route but drove 70 miles per hour. How many miles did they drive on the way to California if the round trip took 10 hours?

## Answer Key

Testname: E02SEC3.1ADDITIONALPRACTICE\_V02

- 1) \$35,000
- 2) \$6000
- 3) \$29,000 in B-rated bonds and \$23,000 in a CD
- 4) \$2000
- 5) \$26,000
- 6) \$35,000 in B-rated bonds and \$30,000 in a CD
- 7) \$27,000
- 8) \$35,000
- 9) \$3500
- 10) \$26,000
- 11) \$26,000 in B-rated bonds and \$41,000 in a CD
- 12) 25 pounds
- 13) 300 pounds
- 14) 6 pounds
- 15) 200 pounds
- 16) 450 pounds
- 17) 10 pounds
- 18) 317.3 miles
- 19) 291.7 miles
- 20) 308 miles