

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 \$800, how much did Kevin invest in the mutual fund?

5) A bank loaned out \$53,000, part of it at the rate of 15% per year and the rest at a rate of 7% per year. If the interest received was \$6030, how much was loaned at 15%?

6) Don James wants to invest \$61,000 to earn \$5050 per year. He can invest in B-rated bonds paying 13% per year or in a Certificate of Deposit (CD) paying 4% per year. How much money should be invested in each to realize exactly \$5050 in interest per year?

7) A bank loaned out \$67,000, part of it at the rate of 15% per year and the rest at a rate of 8% per year. If the interest received was \$7600, how much was loaned at 15%?

8) A bank loaned out \$57,000, part of it at the rate of 13% per year and the rest at a rate of 7% per year. If the interest received was \$5550, how much was loaned at 13%?

9) A college student earned \$9000 during summer vacation working as a waiter in a popular restaurant. The student invested part of the money at 8% and the rest at 7%. If the student received a total of \$667 in interest at the end of the year, how much was invested at 8%?

10) A bank loaned out \$57,000, part of it at the rate of 13% per year and the rest at a rate of 7% per year. If the interest received was \$6030, how much was loaned at 13%?

11) Don James wants to invest \$56,000 to earn \$4600 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 \$4600 in interest per year?

- 12) The manager of a candy shop sells chocolate covered peanuts for \$8 per pound and chocolate covered cashews for \$15 per pound. The manager wishes to mix 60 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?
- 13) The manager of a coffee shop has one type of coffee that sells for \$6 per pound and another type that sells for \$15 per pound. The manager wishes to mix 70 pounds of the \$15 coffee to get a mixture that will sell for \$12 per pound. How many pounds of the \$6 coffee should be used?
- 14) The manager of a candy shop sells chocolate covered peanuts for \$7 per pound and chocolate covered cashews for \$15 per pound. The manager wishes to mix 90 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?
- 15) The manager of a candy shop sells chocolate covered peanuts for \$5 per pound and chocolate covered cashews for \$14 per pound. The manager wishes to mix 70 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?

- 16) The manager of a coffee shop has one type of coffee that sells for \$8 per pound and another type that sells for \$14 per pound. The manager wishes to mix 50 pounds of the \$14 coffee to get a mixture that will sell for \$9 per pound. How many pounds of the \$8 coffee should be used?
- 17) The manager of a candy shop sells chocolate covered peanuts for \$6 per pound and chocolate covered cashews for \$15 per pound. The manager wishes to mix 80 pounds of the cashews to get a cashew-peanut mixture that will sell for \$11 per pound. How many pounds of peanuts should be used?
- 18) 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 65 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 60 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?

20) 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 75 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_V01

- 1) \$28,000
- 2) \$2000
- 3) \$27,000 in B-rated bonds and \$31,000 in a CD
- 4) \$4000
- 5) \$29,000
- 6) \$29,000 in B-rated bonds and \$32,000 in a CD
- 7) \$32,000
- 8) \$26,000
- 9) \$3700
- 10) \$34,000
- 11) \$30,000 in B-rated bonds and \$26,000 in a CD
- 12) 45 pounds
- 13) 35 pounds
- 14) 150 pounds
- 15) 20 pounds
- 16) 250 pounds
- 17) 64 pounds
- 18) 282.6 miles
- 19) 333.3 miles
- 20) 300 miles