

1. How much interest is earned on a \$2,500 certificate of deposit (CD) paying 3.5% annually with a term of
(a) six months? (c) seven years?
(b) five years? (d) ten years?
2. Janine deposits \$1,250 into an account paying $2\frac{1}{2}\%$ annually. How much money has she saved after
(a) six months? (c) eight years?
(b) five years? (d) ten years?
3. Caroline needs \$2,500 for a down payment for a car. How much money must she deposit in an account paying 2.12% annually so that she will have the money that she needs after
(a) two years? (c) eight years?
(b) five years? (d) ten years?
4. What is the future value of a \$1,200 certificate of deposit (CD) paying 3.15% compounded monthly with a term of
(a) one year? (c) five years
(b) two years? (d) ten years?
5. Wanda deposits \$500 into a certificate of deposit (CD) for five years. How much money has she saved if the CD pays 2.125% compounded
(a) annually? (d) monthly?
(b) semi-annually? (e) weekly?
(c) quarterly? (f) daily?
6. Warren needs \$2,750 in order to repay a loan which becomes due in-full in five years. In order to save the money that he needs, how much money must he deposit in a five-year certificate of deposit (CD) paying 3.15% compounded
(a) annually? (d) monthly?
(b) semi-annually? (e) weekly?
(c) quarterly? (f) daily?
7. Shannon deposits \$525 into an account with an annual rate of 2.125%. How much money has she saved after
(a) five years? How much interest does she earn?
(b) five years if interest is compounded annually? How much interest does she earn?
(c) five years if interest is compounded semi-annually? How much interest does she earn?
(d) five years if interest is compounded quarterly? How much interest does she earn?
(e) five years if interest is compounded monthly? How much interest does she earn?
(f) five years if interest is compounded weekly? How much interest does she earn?
(g) five years if interest is compounded daily? How much interest does she earn?
8. How much money must Carlos deposit into an account with an annual rate of 2.175%
(a) so that he can save \$5,000 in five years? How much interest does he earn?
(b) compounded annually so that he can save \$5,000 in five years? How much interest does he earn?
(c) compounded semi-annually so that he can save \$5,000 in five years? How much interest does he earn?
(d) compounded quarterly so that he can save \$5,000 in five years? How much interest does he earn?
(e) compounded monthly so that he can save \$5,000 in five years? How much interest does he earn?
(f) compounded weekly so that he can save \$5,000 in five years? How much interest does he earn?
(g) compounded daily so that he can save \$5,000 in five years? How much interest does he earn?
9. By working at various jobs, Jalene saves \$3,275. She deposits the money into a certificate of deposit (CD) paying 1.17% for six months. Then, she deposits the money into a $2\frac{1}{2}$ year CD paying 2.317% compounded monthly. Finally, she deposits the money into an account paying 2.15% compounded weekly for three years. How much money has she saved after six years. How much interest does she earn?