



1.6.2 Practice: What Is Money?

Financial Algebra Sem 1

Points Possible: 20

Practice

Name: _____

Date: _____

1. Frank has 24 pennies, 62 nickels, 55 dimes, 16 quarters, and 19 fifty-cent pieces. How much money does he have?

\$22.34 dollars.

2. Pete is purchasing an MP3 player for \$199.90. He gives the sales clerk 2 fifty-dollar bills, 4 twenty-dollar bills, and 4 five-dollar bills. How much should he receive in change?

He shall receive ten cents.

3. Carol has 7 rolls of pennies containing 50 coins each, 11 rolls of nickels containing 40 coins each, 3 rolls of dimes containing 50 coins each, and 12 rolls of quarters containing 40 coins each. How much money does she have?

She has \$4,170 in all.

4. At the beginning of this month, Paul had \$1004.21 in digital money. So far this month he has made deposits of \$7.66, \$83.07, and \$198.01 into his account, while he has made withdrawals of \$35.36, \$4.71, and \$94.98. How much digital money does Paul have now?

5. Denominations matter in digital money. True or False?

6. When you barter, you must trade in order to buy something.

7. The money multiplier effect shows that when a bank has a lower reserve rate, they are able to generate _____ money.

8. If the reserve rate is 10% and a bank receives a deposit of \$320,000, how much of the \$320,000 is the bank free to loan out?

9. If the Federal Reserve sets the reserve rate to 20%, what is the resulting money multiplier?

10. If the Federal Reserve sells \$50,000 in Treasury bonds to a bank at 8% interest, what is the immediate effect on the money supply?

A. It is decreased by \$50,000.

B. It is increased by \$50,000.

C. It is decreased by \$55,500.

D. It is increased by \$55,500.

11. If the Federal Reserve decreases the reserve rate from 7% to 5%, how does this affect the amount of money that would result because of fractional-reserve banking from an initial deposit into a bank of \$30,000?

12. From 1980 to 2000, the consumer price index (CPI) increased from 122.5 to 181. If a pound of tomatoes cost \$0.75 in 1980 and the price of tomatoes increased at the same rate as the CPI from 1980 to 2000, approximately how much did a pound of tomatoes cost in 2000?

13. The following table shows the consumer price index (CPI) for a fictional country from 1992 to 2000.

Year	Consumer Price Index
1992	44.3
1994	58.2
1996	65.9
1998	70.4
2000	69.1

During which of these time periods was there a period of deflation?

A. 1992 to 1994

B. 1994 to 1996

C. 1996 to 1998

D. 1998 to 2000

14. During a certain 25-year period, the consumer price index (CPI) increased by 99%, but during the next 25-year period, it increased by only 1%. Which of these conditions must have existed during the second 25-year period?

- A. Conflation
- B. Deflation
- C. Inflation
- D. Stagnation

15. True or False? In a recession or a depression, inflation will likely decrease.

A. True

In a recession or depression inflation will likely decrease/

B. False

16. What do you have to multiply a million by to get a billion?

A thousand. ($1,000,000 * 1,000 = 1,000,000,000$)

million-6-0
billion-9-0

17. Mike wants to buy a book that costs \$8.00 but has only \$4.00 in his budget. What is his budget deficit?

\$4.00

18. If a country's debt-to-GDP ratio is currently 15% and its debt is expected to grow from 2 trillion dollars to 3 trillion dollars in the next 5 years, what will the country's GDP have to be in 5 years to maintain the current debt-to-GDP ratio? \$450,000,000,000

19. Kenji has 2500 Japanese yen. If 1 U.S. dollar equals 90.39 Japanese yen, about how many dollars can Kenji buy for his yen?

20. If someone tells you that the U.S. public debt is 1.258×10^{13} dollars, how much money is that?

\$12,580,000,000,000