

1. Which is the more profitable to buy : flour at \$6.50 a barrel on 9 months' credit, or at \$6.25 on 6 months' credit, money being worth 6%?
2. How much must I invest at $4\frac{1}{2}\%$ that my income may be \$50 a month? How much that the quarterly income may be \$400?
3. A buys of B a house and lot for \$4000, paying \$1200 cash, and giving a note due in 3 years at 5% for the balance. If \$600 was paid at the end of each year, what was due at maturity of note?
4. Mr. Brown borrows of Mr. Smith \$600 at 5%, paying the interest each year in advance. What rate of interest does he pay?
5. If a man's income is \$800 a year, one-half of his investments being on interest at 5%, and the other half on interest at $5\frac{1}{2}\%$, what is the sum invested?
6. Find the amount due October 15, 1896, on \$380, loaned Dec. 1, 1893, interest compounded semi-annually at $5\frac{1}{2}\%$.
7. How much must I invest at $3\frac{1}{2}\%$ to yield an income of 50¢ a day throughout the year?
8. Bought 750 lb. of tacks, the list price being 12¢ a pound, with discount at 25% and 10%. Sold them at 10¢ a pound on 60 days' credit. Reckoning money as worth 6%, what was my profit?
9. If after a discount from list price of 25%, rivets sell for 12¢ a pound, what is the list price? If after a discount of $33\frac{1}{3}\%$ and 10% they sell for $10\frac{1}{2}\%$ a pound, what is the list price?
10. In what time will any sum double itself at $4\frac{1}{2}\%$ simple interest? at $8\frac{1}{2}\%$?
11. If on Jan. 8 I buy goods to the amount of \$560.28; March 20, goods to the amount of \$380.60; and July 6, goods to the amount of \$482.30, how much must I pay Oct. 1, with interest added at 5%?
12. What sum of money put at interest at 4% will amount to \$519,168 in 2 years, the interest being compounded annually?
13. What sum of money must I put in the bank, where interest is compounded semi-annually at 4%, to amount to \$1000 in 3 years?
14. The list price of certain goods is \$450. What is the selling price at 20, 10, and 5 off?