

PERCENTAGE PROBLEMS

1. I sold a piece of land for \$4800.00 and made 20% on the cost. Find the cost.
2. A man sold his car for \$1295.00, which was 30% less than he paid for it. How much did his car cost him?
3. 15% of a number is 27.9. Find the number.
4. How many dollars must a man invest, half at 4% and half at 5%, in order to obtain an annual income of \$900.00 from these investments?
5. A man invested \$50,000 in bonds, some paying 5% interest and the rest paying 8% interest. If the annual income from these investments is \$3,100, how much was invested at each rate?

Hint: Let x = the number of dollars invested at 5%. Then $50,000 - x$ = the number of dollars invested at 8%. Why?
Then, $.05x + .08(50,000 - x) = 3100$. (Interest – principal \times rate.)
Complete the solution.

6. Mr. Brown invested two equal sums of money, one at 4% and the other at 6%. The yearly income from these investments was \$800. How much did he invest at each rate?
7. A man has \$5000 invested at 7%. How much additional money must he invest at 4% in order that his total annual income may equal 5% of the entire investment?
Hint: You may find it helpful to arrange the facts in tabular form, thus:
Hence $350 + .04x = .05(5000 + x)$ Complete the solution.
8. A man has \$20,000 invested at 5%. How much must he invest at 6-1/2% so that his income from both investments will pay his son's college fees of \$4250?
9. A man invested part of \$12,000 at 4% and the rest at 3%. The annual income from the 3% investment was \$80 more than from the 4% investment. How much was invested at each rate?
10. A man had \$15,000 to invest. He invested two-thirds of it at 4%, and the rest at such a rate that his total income from the two investments was \$650 annually. At what rate was the second sum invested?

