

Investment Problems

Do ALL Work with paper and pencil /it is helpful to make a chart
NO CALCULATOR use /Check answers below

1. Mr. James invested a sum of money at 6% and a second sum, \$500 more than the first, at 4%. The total annual income was \$50. How much did he invest at each rate?
2. Mr. Flintstone invested \$2000, part at 5% and the remainder at 3%. The total annual interest he received was \$88. How much did he invest at each rate?
3. Mr. Simpson invested a part of \$1000 at 4% and remainder at 6%. The annual income from the 4% investment exceeded the annual income from the 6% investment by \$30. Find the amount he invested at each rate.
4. Mrs. Martin has invested \$18,000 in two parts. One part is invested at 8% and the other at 10%. The annual income from the 10% investment is \$360 more than the annual income from the 8% investment. Find the amount invested at the 10% investment.
5. Dale invested a sum of money at 6%. He invested \$200 more than this sum at 4%. If the annual incomes from both investments were the same, find the amount invested at each rate.
6. Alicia made two investments, one at $4\frac{1}{2}\%$ and the other at 3%. The amount invested at 3% exceeded the amount invested at $4\frac{1}{2}\%$ by \$300. If her total income was \$84, find the amount invested at 3%.
7. Major Troy invested a sum of money at 3%. He invested a second sum, \$150 less than the first sum, at 6%. The total annual income was \$54. Find the amount invested at 6%.
8. Maria has invested \$7,500 in two parts, one part at 6% and the other at 10%. Find the amount invested at each rate if the total yearly income is \$590.
9. Alfalfa invested a sum of money at 4%. He invested a second sum, \$250 more than the first sum, at 6%. If his total annual income was \$90, how much did he invest at each rate?
10. ****MORE CHALLENGING**** Mr. Fox invested a sum of money at 6%. He invested a second sum, \$2000 less than this sum, at 5%. He invested a third sum, which was \$3000 less than the first sum, at 3%. His total annual income was \$370. Find the amount invested at each rate.

Mrs. Mollet /Mathematics Instructor /Word Problems

Answers:

1. \$300 was invested at 6% /\$800 was invested at 4%
2. \$1400 was invested at 5% /\$600 was invested at 3%
3. \$900 was invested at 4% /\$100 was invested at 6%
4. \$10000
5. \$400 at 6% /\$600 at 4%
6. \$1300
7. \$550
8. \$4000 at 6% /\$3500 at 10%
9. \$750 at 4% /\$1000 at 6%
10. ****MORE CHALLENGING**** \$4000 at 6% /\$2000 at 5% /\$1000 at 3%