

## Interest Problems for You

1. A man has \$10,000 to invest, some in a relatively safe account earning 5% interest per year, and the rest in more speculative investments earning 12% per year. If the total interest earned for the year was \$955, how much was invested at each rate?
2. Jared's two student loans total \$12,000. One loan is at 5% simple interest and the other is at 8% simple interest. After 1 year, Jared owes \$750 in interest. What is the amount of each loan?
3. Erica invested a total of \$5,000, part at 3% simple interest and part at 4% simple interest. At the end of 1 year, the investments had earned \$176 interest. How much was invested at each rate?
4. Dimitri's two student loans total \$9,000. One loan is at 5% simple interest and the other is at 6% simple interest. At the end of one year, Dimitri owes \$492 in interest. What is the amount of each loan?

### Answers to Interest Problems:

1. \$3,500 at 5% and \$6,500 at 12%
2. \$7,000 at 5% and \$5,000 at 8%
3. \$2,400 at 3% and \$2,600 at 4%.
4. \$4,800 at 5% and \$4,200 at 6%