

Define variables, write a system of equations and solve the following:

*Lancaster Woodworkers Furniture Company builds two types of outdoor chairs. A rocking chair sells for \$265 and an Adirondack chair with footstool sells for \$320. The books show that the business earned \$13,930 for the 48 chairs sold last month. How many rocking chairs were sold?*

Define variables, write a system of equations and solve the following:

The Rileys are investing \$12000 in two different accounts for one year. One account earns 10% interest and the other account earns 12.5% interest. If the Rileys earn \$1420 in interest for that year, how much was invested in each account?

Define variables, write a system of equations and solve the following:

*\$6000 is divided between two accounts one paying 3% interest and the other paying 4% interest. At the end of one interest period, the interest earned by the 4% account exceeds the interest earned by the 3% account by \$65. How much was invested in each account?*



