

1. The sum of three numbers is 24. The second number is 4 more than the first, and the third number is twice the first. What are the three numbers?
2. Three friends, Alice, Bob, and Charlie, each own a portion of a startup company. Alice owns 40% of what Bob owns. Charlie owns twice as much as Alice. Together, they own shares worth \$94,500. How much does each person own?

3. The sum of the digits in a 3-digit number is 14. When you erase the hundreds digit, you get a 2-digit number that is 9 times smaller than 32 less than the original. When you exchange the ones digit and the hundreds digit, you get a 3-digit number that is a quarter of 33 greater than the initial 3-digit number. Find the original 3-digit number.
4. Felicia had some nickels, some dimes, and some quarters whose total value is \$3.70. There are 8 more coins among the nickels and quarters than there are among the dimes. Once she spends $\frac{3}{4}$ of her nickels, 6 of her dimes, and 2 of her quarters, the value of her remaining nickels and dimes is equal to the value of her remaining quarters. How many of each type of coin did Felicia start with?

5. A company sells 3 different types of products: A, B, and C. The total revenue from selling 1000 units of all products combined is \$6,500. If the quantities of products B and C sold were reversed, the combined revenue from selling the 1000 units would have been \$5,820 instead. Product C costs twice as much as product A, and product B costs $\frac{4}{3}$ as much as product C. If the revenue from product B alone is \$4,520, how many units of each product were sold?