

Problem Solving

1. Separate the number 51 into two parts so that the second part is 3 more than twice as large as the first part.
2. Separate the number 78 into three parts so that the second part is twice the first part and the third part is 6 more than the first part.
3. Owen is three years less than twice as old as his sister Rena. If Owen is 13 years old, how old is Rena?
4. If 9 times a number is decreased by 6, the result is 111. What is the number?
5. Robert sold 6 more magazine subscriptions the second week than he sold the first week. He sold twice as many the third week as he sold the first. If he sold 94 magazine subscriptions in all, how many did he sell the second week?
6. Milly read five times as many pages as Delores in the reading contest. If they read a total of 2,838 pages, how many pages did Milly read?
7. Grandpa Spencer is 2 years more than 25 times as old as his grandson Joshua. If Grandpa Spencer is 77 years old, how old is Joshua?
8. Bethany Christian School performed a play on Thursday and Saturday night. Three times as many people attended on Saturday night as on Thursday night. If 1,088 attended on both nights combined, how many attended on Saturday night?
9. The first supermarket charges \$.10 less for a can of orange juice than the second store. If the total cost of the two cans is \$3.40, how much does the first supermarket charge?
10. The sum of two consecutive whole numbers is 35. What are the two numbers?
11. Charley Davis is $\frac{1}{4}$ as old as his father. The sum of their ages is 45. How old is each?
12. In a class of 25 students there are 3 more girls than boys. How many girls are in the class?
13. On a trip of 2,300 miles, a missionary went 9 times as far by plane as by car. How far did the missionary go by plane?
14. A chair sold for \$120 after it was reduced by $\frac{1}{4}$ of the original price. What was the original price?