

Algebra Word Problems Math 9 *(More advanced)*

Name: _____

Date: _____

Class: _____

Total = /36

- 1. Three sisters were to divide a \$10 000 prize. Alice was to receive \$1000 more than Jennifer and Monica was to receive \$700 less than Alice. How much money did each sister receive?**
- 2. A paper boy paid his \$14.00 bill in quarters and dimes. The number of quarters and dimes was the same. How many of each coin was needed to pay the bill?**
- 3. A man is presently four times the age of his son. He learned that three years ago, he was seven times the age of his son. How old is th father now?**
- 4. A jar contains four times as many washers as bolts. There are 80 washers and bolts. How many bolts are there?**

5. Find three consecutive numbers whose sum is 267.

6. Dana can mow the lawn in 2 hours. It takes her brother Jamie 3 hours to mow it. How long will the job take them if they work together using two lawn mowers?

7. The width of a rectangle is $\frac{1}{2}$ its length. The perimeter is 42 cm. Calculate the length and width.

8. A woman bought 12 chickens and 3 goats. A goat costs \$40.00 more than a chicken. The total cost of the goats and chickens is \$270.00. What is the cost of one chicken and one goat?

9. A boat left a harbour and travelled at a rate of 24 km/h. A jet boat left the same harbour two hours later and travelled at a rate of 36 km/h in the same path as the first boat. How long did it take for the jet boat to catch up to the first boat?