

1. \$1200 is divided among four brothers so that each gets \$100 more than the brother who is his next younger brother. How much does the youngest brother get?
2. You have a number, you multiply it by 4, then you add 8, then divide by 3 and your answer is 28. What should the starting number be?
3. A number divides each of 17 and 30 with the same remainder in each case. What is the number?
4. The average of five numbers is 18. Let the first number be increased by 1, the second number by 2, the third number by 3, the fourth number by 4 and the fifth number by 5. What is the average of the set of increased numbers?
5. The owner of a bicycle store had a sale on bicycles and tricycles. Each cycle had two pedals. When he counted the total number of pedals of the cycles, he got 50. When he counted the total number of wheels of the cycles, he got 64. How many tricycles were offered in the sale?

1. Person "A" was born on January 15, 1948, Person "B" was born on January 15, 1962. If both are alive now, in what year was person "A" twice as old as person "B"?
2. The product of two whole numbers is 10 000. If neither number contains a zero digit, what are the two numbers?
3. My age this year is a multiple of 7. Next year it will be a multiple of 5. I am more than 20 years of age but less than 80. How old will I be 6 years from now?
4. Six people participated in a checker tournament. Each participant played exactly three games with each of the other participants. How many games were played in all?
5. Consecutive numbers are numbers that follow in order. Find three consecutive numbers whose product is 15 600.