

1. The four-digit number $A55B$ is divisible by 36. What is the sum of A and B ?
2. Carol spent exactly \$1.00 for some 5 cent stamps and some 13 cent stamps. How many 5 cent stamps did she buy?
3. The digits of a two-digit number are interchanged to form a new two-digit number. The difference of the original number and the new number is 45. Find the largest two-digit number which satisfies these conditions.
4. 3, 6, 9, 12....are some multiples of 3. How many multiples of 3 are there between 10 and 226?
5. When the order of the digits of 2552 is reversed, the number remains the same. How many counting numbers between 100 and 1000 remain the same when the order of the number's digits is reversed?

1. A tractor wheel is 88 inches in circumference. How many complete turns will the wheel make in rolling one mile on the ground? Circumference is the distance around the tire. There are 5280 feet in 1 mile, there are 12 inches in 1 foot.
2. Find the greatest number that divides 364, 414, and 539 with the same remainder in each case.
3. The sum of the ages of three children is 32. The age of the oldest is twice the age of the youngest. The ages of the two older children differ by three years. What is the age of the youngest child?
4. The average of five numbers is 6. If one of the five numbers is removed, the average of the four remaining numbers is 7. What is the value of the number that was removed?
5. A restaurant has a total of 30 tables which are of two types. The first type seats two people at each table; the second type seats five people at each table. A total of 81 people are seated when all seats are occupied. How many tables for two are there?