



## Word Problems Simultaneous



1. The sum of two numbers is 15. Twice the first number added to 3 times the second number is 40. Find the two numbers.
2. The sum of two numbers is 14. The difference between the two numbers is 2. Find the two numbers.
3. One number added to twice another number is 7. Three times the first number minus the second number is also 7. Find the two numbers.
4. In a vote for class president, Ann and Barry were the only two contestants. Ann received 8 more votes than Barry. There were 30 votes cast in total. How many votes did each of Ann and Barry receive?
5. Two apples and three oranges weigh 115 grams. One apple and two oranges weigh 70 grams. Find the weight of each an apple and an orange.
6. 2 bars and three drinks cost €5.40. One bar and one drink cost €2.10. What is the price of a bar? What is the price of a drink?
7. There are 15 coins in a bag, each coin is either a 20c or a 50c coin. The total value of coins in the bag is €4.50. How many 20c and 50c coins are in the bag?
8. The sum of two numbers is 17. Half of the first number added to one third of the second number is 7. Find the two numbers.
9. Half of one number added to one third of another is 11. Three quarters of the first number plus four fifths of the second number is 21. What are the two numbers?
10. **(2013 P1 Q8)**  
A company employs two drivers, John and David. Each has use of a company car and small van. The company buys €30 worth of Toll Tags for each driver. Each time that a vehicle goes through the M50 Toll, a charge will be deducted from the Toll Tags.  
John goes through the M50 toll five times in his car and four times in his small van. He then has €7.90 **remaining** on his Toll Tags. David goes through the M50 toll twice in his car and six times in his small van. He then has €8.40 **left** on his Toll Tags.  
Calculate how much it costs for a car and for a small van to go through the M50 Toll.

