



# Word Problems Linear SOLUTIONS



1. If you double a number and add 15, the result will be 47. What was the original number?
2. If you treble a number and subtract 25, the result will be 2. What was the original number?
3. If you multiply a certain number by 4, the result is the same as adding 9 to that number?
4. If you divide a certain number by 2, then add 3, the result will be 5. What was the original number?
5. The sum of a number plus half the same number is 9. What is the number?
6. The sum of a third of a number plus a quarter of the same number is 7. What was the original number?
7. If you multiply a particular number by 5 and then add 2, the result is the same as multiplying the original number by 7 and then subtracting 6. What was the original number?
8. If you multiply a number by 2 and then subtract 7, the result is the same as if you divided the number by 3 and then add 3. What is the number?
9. Find two consecutive numbers that add to 25.
10. Find two consecutive numbers, such that 4 times the first number is 1 more than 3 times the second number.
11. Find two consecutive even numbers such that twice the sum of the numbers is 28.
12. Find two consecutive odd numbers such that 6 times the first is 2 less than 4 times the second.
13. John is 3 years older than Jim. If twice the sum of their ages is 62, what age are John and Jim?
14. Alex is twice as old as his brother Andrew. Their father is 28 years older than Alex. If the sum of all of their ages is 63, what age are each of Alex, Andrew and their father?





15. Today Mary is 3 times as old as her sister Margaret. In 4 years time, Mary will be twice as old as Margaret. What age are Mary and Margaret today?
16. Two consecutive numbers are such that when one fifth of the smaller number is added to one quarter of the larger number, the result is 7. What are the two numbers?
17. Two consecutive even numbers are such that when one third of the smaller number is subtracted from half of the larger number, the result is 2. What are the two numbers?
18. Ken is 24 years older than Kris. When one third of Ken's age is added to one half of Kris' age, the result is 18. What age is **Ken**?

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