

Word Problems

Find the solution of each problem.

1. Find two consecutive integers whose sum is 45.
2. Find three consecutive even integers whose sum is 72.
3. Find two consecutive odd integers whose sum is -88 .
4. Find four consecutive odd integers whose sum is 56.
5. Find two consecutive even integers such that the sum of the larger and twice the smaller is 62.
6. Find three consecutive integers such that the sum of twice the smallest and 3 times the largest is 126.
7. Seven times a number is equal to 12 more than 3 times the number. Find the number.

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8. Ten more than 6 times a number is 4 less than 4 times the number.

9. The second of two numbers is 4 times the first. Their sum is 50. Find the numbers.

10. The second of two numbers is 5 more than twice the first. Their sum is 80. Find the numbers.

11. The perimeter of a rectangle is 24 inches. Find the dimensions if its length is 3 inches greater than its width.

12. Find the measures of the angles of a triangle if the angles are represented by x , $4x$, and $4x$.

13. The perimeter of a triangle is 51 centimeters. The lengths of its sides are consecutive odd integers. Find the lengths of all three sides.

14. Two-thirds times a number plus 7 equals 7 minus the number. Find the number.