

Translating Sentences into Equations

Name _____

Variable

Consecutive integers

Consecutive even integers

Consecutive odd integers

The sum of two numbers is twenty. The sum of the larger number and five is one more than three times the smaller number. What are the numbers?

The difference of two numbers is ten. The sum of the smaller number and thirty is three more than twice the larger number. Find the numbers.

The sum of three consecutive odd integers is negative twenty one. Find the numbers.

The sum of four consecutive even integers is fifty-two. Find the numbers.

An electrician charges a rate for a house call of eighty dollar plus another fifty dollars for each hour spent at the house. How long did the electrician stay if the bill was two hundred and thirty dollars?

A rope that is 40 feet is cut in to two pieces. Two times the length of one piece is 8 feet more than four times the other piece. How long are the two pieces?