Consecutive Sums

The number 9 can be written as the sum of consecutive numbers in two ways:

> **2 + 3 + 4**
>
> **or**
>
> **4 + 5**

For each number from 1-50 can you find a way of writing the number as the sum of consecutive numbers?

- What numbers are the sum of two consecutive numbers?
- What numbers are the sum of 3, 4, 5... consecutive numbers?
- What numbers cannot be written as the sum of consecutive numbers at all?

Think About

Are there any good strategies for adding strings of consecutive numbers?

What patterns can you find as you work through this investigation?