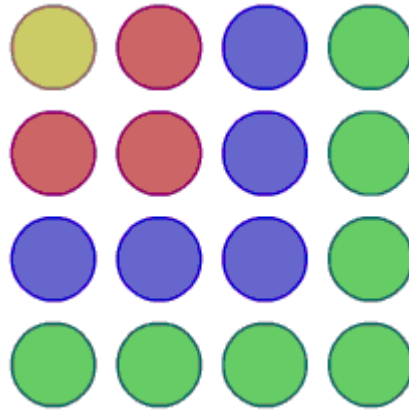


The diagram shows that $1 + 3 + 5 + 7 = 16$.



What is the sum of the first 30 odd numbers?

What is the sum of the first 60 odd numbers?

Can you describe a method for working these out quickly?

Can you make 3249 by adding odd numbers in this way?

What is the value of:

- $1 + 3 + \dots + 149 + 151 + 153?$
- $83 + 81 + \dots + 5 + 3 + 1?$
- $51 + 53 + 55 + \dots + 149 + 151 + 153?$
- $2 + 4 + \dots + 150 + 152 + 154?$
- $2 + 6 + \dots + 298 + 302 + 306?$

Explain how you worked these out.