

# Small tasks

1. Add all the natural numbers below  $N$  that are multiples of 3 or 5.
2. What is the smallest number divisible by each of the numbers 1 to  $N$ ?
3. By considering the terms in the Fibonacci sequence whose values do not exceed four million, find the sum of the even-valued terms.
4. By listing the first six prime numbers: 2, 3, 5, 7, 11, and 13, we can see that the 6th prime is 13. What is the 10001st prime number?
5. Remove all duplicate items from the list.
6. Make list of tuples from the list in the following way.  
[1, 3, 5, 2, 2, 3, 5, 7, 2] -> [(1), (3, 5, 2), (2, 3), (5, 7, 2)]