

Multiples of 3 and 5

[Problem 1 \(https://projecteuler.net/problem=1\)](https://projecteuler.net/problem=1)

If we list all the natural numbers below 10 that are multiples of 3 or 5, we get 3, 5, 6 and 9. The sum of these multiples is 23.

Find the sum of all the multiples of 3 or 5 below 1000.

Solution

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In [1]: ▶ sum(x for x in range(1000) if not (x % 3 and x % 5))
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Out[1]: 233168
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