

Solutions to problems found on the Project Euler website. The problem descriptions are given in the code itself. Although this sheet may contain a restatement of the problems, it is mostly intended for a more thorough and mathematical explanation of the solutions as opposed to bare code. Not all problems may appear.

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**Problem 1**

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**Multiples of 3 and 5:** 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.