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.

Twist:

Instead of 1000, read a number from the keyboard.

Twist2:

For which number will an overflow occur for an *integer* variable?
What about a long variable?