USACO - Chocolates

Eeny, Meeny, Miny and Moe are four deer and they are best friends. Meeny, Miny and Moe have been given one dice to roll and they always roll the dice in the order Meeny, Miny and Moe. When they roll the dice, it just so happens that every time they always end up a getting a different number on the dice. Moe, however, likes to eat chocolates if it were to get the smallest number among all the dice. Moe ends up eating x chocolates the first time it gets the least numbered dice, 2x chocolates the second time it gets the least numbered dice, 3x chocolates the third time it gets the least numbered dice and so on. If each of the friends roll the dice n times, what would be the maximum number of chocolates that Moe would eat?

INPUT FORMAT (file chocolates.in)
The first line contains an integer n where n represents the number of times the dice were rolled by each of the friends. The second line represents one integer x which represents the number of chocolates eaten by Moe the first time it gets the least numbered dice.

OUTPUT FORMAT (file chocolates.out)
The output file will contain one integer which contains the maximum number of chocolates that Moe would eat.

SAMPLE INPUT
3
4

SAMPLE OUTPUT
24

EXPLANATION:
There is always a possibility that Moe can lose as the numbers on the dice are completely random. Since the dice is rolled 3 times and it eats 4 chocolates the first time it loses, it will eat 8 chocolates the second time it loses and 12 chocolates the third time it loses. So, it would have eaten 24 chocolates if it had lost in each of the attempts.