# 2652. Sum Multiples

## Description

Given a positive integer `n`, find the sum of all integers in the range `[1, n]` **inclusive** that are divisible by `3`, `5`, or `7`.

Return *an integer denoting the sum of all numbers in the given range satisfying the constraint.*

### Example 1:

```
Input: n = 7
Output: 21
Explanation: Numbers in the range [1, 7] that are divisible by 3, 5, or 7 are 3, 5, 6, 7. The sum of these numbers is 21.
```

### Example 2:

```
Input: n = 10
Output: 40
Explanation: Numbers in the range [1, 10] that are divisible by 3, 5, or 7 are 3, 5, 6, 7, 9, 10. The sum of these numbers is 40.
```

### Example 3:

```
Input: n = 9
Output: 30
Explanation: Numbers in the range [1, 9] that are divisible by 3, 5, or 7 are 3, 5, 6, 7, 9. The sum of these numbers is 30.
```

### Constraints:

- `1 <= n <= 10^3`