Project Euler #5: Smallest multiple

Problem Statement

This problem is a programming version of Problem 5 from projecteuler.net

2520 is the smallest number that can be divided by each of the numbers from 1 to 10 without any remainder.
What is the smallest positive number that is evenly divisible(divisible with no remainder) by all of the numbers from 1 to N?

Input Format
First line contains T that denotes the number of test cases. This is followed by T lines, each containing an integer, N.

Output Format
Print the required answer for each test case.

Constraints
$1 \leq T \leq 10$
$1 \leq N \leq 40$

Sample Input

```
2
3
10
```

Sample Output

```
6
2520
```