

# Project Euler #5: Smallest multiple

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
```