

# Smallest multiple

## Problem 5 (<https://projecteuler.net/problem=5>)

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 by all of the numbers from 1 to 20?

## Solution

```
In [1]: from math import gcd
        from functools import reduce

        reduce(lambda n, x: n * x // gcd(n, x), range(2,21))
```

Out[1]: 232792560