

## Hamming Numbers

*Hamming* numbers are numbers of the form  $H = 2^i \times 3^j \times 5^k$ , where  $i, j, k \geq 0$ .

*Hamming* numbers are also known as *ugly* numbers and also *5-smooth numbers* (numbers whose prime divisors are less or equal to 5).

### Challenge

Generate the sequence of *Hamming* numbers, in increasing order.

### Input

$n$  - number of the elements of the sequence

### Output

$a_1, a_2, \dots, a_n$  - first  $n$  *Hamming* numbers