**Count numbers divisible by M**

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Given two numbers A and B which define a range, where A < B. Find the count of total numbers in the given range [A … B] divisible by 'M'**.  
  
Input:**  
First line of input contains a single integer T which denotes the number of test cases. Then T test cases follows. First line of each test case contains three space separated integers A, B and M.  
  
**Output:**  
For each test case, print the count of total numbers in the given range [A … B] divisible by 'M'**.**  
  
**Constraints:**  
1<=T<=100  
1<=A<=103  
A<B<=105  
  
**Example:  
Input:**  
2  
25 100 30  
6 15 3  
**Output:**  
3  
4

\*\*For More Examples Use Expected Output\*\*

Contributor: Harsh Agarwal

<http://practice.geeksforgeeks.org/problems/count-numbers-divisible-by-m/0>

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package javaapplication251;

import java.io.\*;

import java.math.\*;

import java.util.\*;

/\*\*

\*

\* @author Administrador

\*/

public class JavaApplication251 {

public static void main(String[] args) throws IOException {

// TODO code application logic here

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

int t = Integer.parseInt(br.readLine());

while(t-- > 0) {

String[] input = br.readLine().trim().split(" ");

int a = Integer.parseInt(input[0]);

int b = Integer.parseInt(input[1]);

int m = Integer.parseInt(input[2]);

int cont =0;

for(int i =a; i<=b; i++) {

if(i%m==0) {

cont++;

}

}

System.out.println(cont);

}

}

}

-------------------------editorial-------------

// Java program to count the numbers divisible by

// M in a given range

import java.io.\*;

class GFG

{

    // Function to count the numbers divisible by

    // M in a given range

    static int countDivisibles(int A, int B, int M)

    {

        // Add 1 explicitly as A is divisible by M

        if (A % M == 0)

            return (B / M) - (A / M) + 1;

        // A is not divisible by M

        return (B / M) - (A / M);

    }

    // driver program

    public static void main (String[] args)

    {

        // A and B define the range, M is the dividend

        int A = 30, B = 100, M = 30;

        // Printing the result

        System.out.println(countDivisibles(A, B, M));

    }

}