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/*@author:Daniel Abadjiev
 * @date: 12/14/2018
 * @description: This solves the 2018 ACSL Senior Division programming problem.
 */
import java.util.Scanner;
public class ACSLProblem {

    public static void main(String[] args) {
        Scanner console=new Scanner(System.in);
        for (int i=1; i<=5; i++){
            String inputString=console.next();
            int n=console.nextInt();
            System.out.println(findSums(inputString, n));
        }

    }

    public static long findSums(String inputString, int n){
        inputString=adjustString(inputString, n);
        long sum=0;
        for (int i=0; i<inputString.length(); i+=n){
            long num=Integer.parseInt(inputString.substring(i, i+n));
            sum+=num;
        }
        return sum;
    }

    public static String adjustString(String inputString, int n){
        while (inputString.length()%n!=0)
            inputString=inputString+"0";
        return inputString;
    }

}

```