Given an integer n (in base 10) and a base k, return *the****sum****of the digits of*n***after****converting*n*from base*10*to base*k.

After converting, each digit should be interpreted as a base 10 number, and the sum should be returned in base 10.

**Example 1:**

**Input:** n = 34, k = 6

**Output:** 9

**Explanation:** 34 (base 10) expressed in base 6 is 54. 5 + 4 = 9.

**Example 2:**

**Input:** n = 10, k = 10

**Output:** 1

**Explanation:** n is already in base 10. 1 + 0 = 1.

**Constraints:**

* 1 <= n <= 100
* 2 <= k <= 10