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TEMPBTech-EEE030	, MPB
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EXPERIMENT OF COMBINATIONS LEADING TO A PRODUCT  LIND Description of the Company	IMPATEON LEMPATE COLLEGE OF THE AND A TECHT
NUMBER OF COMBINATIONS LEADING TO A PRODUCT	NPBTE EFFOS
NUMBER OF COMBINATIONS LEADING TO A PRODUCT  Description No. 10 Problem Statement:	.EMP Biechi
Problem Statement.	RA
You are given an array arr and a product m. Your task is to find the number of possible unique triplets whose pro elements is m.  Input Format:	duct of
Input Format:	2030467
<ul> <li>The first line contains the integer, n</li> <li>The second line contains space seperated integers of the array, arr</li> <li>The third line contains the product m.</li> </ul>	greeniett
The input will be read from the STDIN by the candidate	5°CC
Output Format:	
Output Format:  The output consists of a single integer, i.e. the count of unique triplets having product m.	, ARP
The output will be matched to the candidate's output printed on the STDOUT	30 TEMPR
Example: Input:	
N No. of the control	şch.EEE0°
7	,ch.**
5 3 20 10 1 4 2	
5 3 20 10 1 4 2 60	
	KHIMI.
Output:  Set Mark 2	,
Explanation:	
Product m:60	,``
Possible triplets for product m: (5,4,3),(20,3,1), (10,3,2)	1260
The count of unique triplets is 3.	Miles .
Source Code:  ART	Whateshiffle 322-

```
def count_triplets(arr, n, m):
       unique_triplets = set()
       for i in range(n):
           for j in range(i + 1, n):
               for k in range(j + 1, n):
                   if arr[i] * arr[j] * arr[k] == m:
                       triplet = tuple(sorted([arr[i], arr[j], arr[k]]))
                       unique_triplets.add(triplet)
       return len(unique_triplets)
   # Input Reading
   n = int(input())
   arr = list(map(int, input().split()))
   m = int(input())
   result = count_triplets(arr, n, m)
   print(result)
RESULT
 6 / 6 Test Cases Passed | 100 %
```