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	NUMBER OF COMBINATIONS LEADING TO A PRODUCT	ARI3C
A 3BRIT	3BR23CS042  EXPERIMENT  Title  NUMBER OF COMBINATIONS LEADING TO A PRODUCT  Problem Statement:  You are given an array arr and a product m. Your task is to find the number of possible unique triplets whose product of	გ* ფ <sup>©</sup>
XV	11551cm old centeric	C50A238
3823050	You are given an array arr and a product m. Your task is to find the number of possible unique triplets whose product of elements is m.	
5R-1	Input Format:	x2 3BR235
550A7 35	• The contains the integer, n	
CS .	The input will be read from the STDIN by the candidate	3R23C501
0-	Output Format:	5
3BR2?	The extent consists of a single interest is the count of unique triplets beginning and the	38
XV	The output consists of a single integer, i.e. the count of unique triplets having product m.	C50A238
-0	The output will be matched to the candidate's output printed on the STDOUT  Example:	, ,
3R23C50	Lande.	223
	7	x23BR23
3	532010142	
C501235	60	250A
		Sales Sales
3BRV.	3	
'5°	Explanation:	GM 38
	Product m:60	Sor
	Possible triplets for product m: (5,4,3),(20,3,1), (10,3,2)	2
	The count of unique triplets is 3.	
	Source Code:  3842 STANDARD ST	

```
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 %
```