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3038	LONDENT REPORT)°
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DE	ETAILS Name C NAAZNEEN	BRIS
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	C NAAZNEEN	
6003	Roll Number 35 35 35 35 35 35 35 35 35 35 35 35 35	
823E03	3BR23EC030	J arr
3~	3BR23EC030 KPERIMENT The statement:	30°3°
I	NUMBER OF COMBINATIONS LEADING TO A PRODUCT	BRIB
38R235	NUMBER OF COMBINATIONS LEADING TO A PRODUCT Description Problem Statement:	, co30 35
)	Problem Statement:	5030
R23ECO?	You are given an array arr and a product m. Your task is to find the number of possible unique triplets whose product of	
8-1	Input Format:	,03HR12
C030 38	The first line contains the integer, if The second line contains space seperated integers of the array, arr	, RAZECO
	The input will be read from the STDIN by the candidate	,R23°
್ಲಿ	Output Format:	
38R23	The output consists of a single integer, i.e. the count of unique triplets having product m.	3
,	The output will be matched to the candidate's output printed on the STDOUT	¿c03035
.co.:	Example:	
R13ECO?	Input:	RV
	7	30 3BR2?
38	5 3 20 10 1 4 2	
,co30 38	60	1636
	Output	Be
BRIS	3	
3°	Explanation:	9388
	Product m:60	1630
	Possible triplets for product m: (5,4,3),(20,3,1), (10,3,2)	_9
	The count of unique triplets is 3.	28 B. J. J.
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	Source Code: Set 13 Code Code: Set 13 Code Code Code Code Code Code Code Code	369 B. E. E. B. S.

```
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 %
```

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