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, 3 <sup>2</sup>	SRINIVAS RAO B	Ĵ
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	tle 3ELTS 3ELTS SELTS SE	3BR
	NUMBER OF COMBINATIONS LEADING TO A PRODUCT	7750
a RIV		3BR23A
	Problem Statement:	361
13A156?	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.	2381756
	Input Format:	13h.
156 3BR)	<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>	1156 34F
	The input will be read from the STDIN by the candidate	
3BR23A	Output Format:	3
ე~	The output consists of a single integer, i.e. the count of unique triplets having product m.	3BR23h
66	The output will be matched to the candidate's output printed on the STDOUT	0
23A1150	Example:	175
	Input:	,R23A
×1756 3BR	7	
1750	5 3 20 10 1 4 2	
	60	Skiller
2R23P	Output:	0
3	3	358
	Explanation:	2500
	Product m:60	
	Possible triplets for product m: (5,4,3),(20,3,1), (10,3,2)	38 653 Ser.
	The count of unique triplets is 3.	)5 <sup>*</sup>
;	Source Code: 38 <sup>h</sup> 38 <sup>h</sup> 38 <sup>h</sup> 38 <sup>h</sup> 38 <sup>h</sup> 38 <sup>h</sup>	Allis So

```
def count_unique_triplets(arr, m):
   n = len(arr)
    triplet_set = set() # To store unique triplets
    # Iterate through each triplet using three nested loops
    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:
                    # Create a sorted tuple to ensure uniqueness
                    triplet = tuple(sorted((arr[i], arr[j], arr[k])))
                    triplet_set.add(triplet)
    return len(triplet_set) # Return the number of unique triplets
# Input handling
n = int(input())
arr = list(map(int, input().strip().split()))
m = int(input())
# Output the result
print(count_unique_triplets(arr, m))
```

RESULT

6 / 6 Test Cases Passed | 100 %

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