Record	STUDENT REPORT  STUDENT REPORT  TAILS  DHANUSH JADHAV  Roll Number Jan 1997	FOROITEN
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10°	TEMPBTech-CSE040	- EMBB.
EX Titl	TEMPBTech-CSE040  PERIMENT  Be  SUMBER 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 elements is m.	,cstoko
n chicstor	NUMBER OF COMBINATIONS LEADING TO A PRODUCT  Sescription of the second o	,ch'
S.	Problem Statement:	MRATEC
ENPBIC'	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.	
EW	Input Format:	SEO AO TE
cstodo T	The second line contains appearance integers of the array arr	\$Tech.C
	The input will be read from the STDIN by the candidate	STECT
ch.	Output Format:	
NPB Tech!	The output consists of a single integer, i.e. the count of unique triplets having product m.	(EM
	The output will be matched to the candidate's output printed on the STDOUT	, AO TEM
EOROTEN	Example:	
EOAO	Input:	echicst
	7	e <sub>C</sub>
slectices	5 3 20 10 1 4 2	<i>x</i>
200	60	A SHARING
0	Output:	Pg
(EMPP	3	
	Explanation:	ENESSE
	Product m:60	£,,
	Possible triplets for product m: (5,4,3),(20,3,1), (10,3,2)	, ex
	The count of unique triplets is 3.	Maple
	Source Code:  \[ \( \text{LEMP} \) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	•

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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 %
              obje
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