```
def count_unique_triplets(arr, m):
               unique_triplets = set()
               n = len(arr)
               arr.sort()
               for i in range(n):
                   for j in range(i + 1, n):
                       for k in range(j + 1, n):
                           product = arr[i] * arr[j] * arr[k]
                           if product == m:
                               triplet = (arr[i], arr[j], arr[k])
                               unique_triplets.add(triplet)
                           elif product > m:
                               break
               return len(unique_triplets)
           import sys
           input = sys.stdin.read
           data = input().splitlines()
           n = int(data[0])
           arr = list(map(int, data[1].split()))
           m = int(data[2])
           result = count_unique_triplets(arr, m)
           print(result)
RESULT
         6 / 6 Test Cases Passed | 100 %
```