```
def count_unique_triplets(arr, m):
             arr.sort()
             triplets = set()
             n = len(arr)
             for i in range(n):
                 left, right = i + 1, n - 1
                 while left < right:</pre>
                     product = arr[i] * arr[left] * arr[right]
                     if product == m:
                         triplet = (arr[i], arr[left], arr[right])
                         triplets.add(triplet)
                         left += 1
                         right -= 1
                     elif product < m:</pre>
                         left += 1
                     else:
                         right -= 1
             return len(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 %
```