```
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 %
```