Explanation:

```
6=2^1 \times 3^1
  sum=1*arr[2]+1*arr[3]=1*32+1*45=77
Source Code:
  def prime_factors(n):
      factors = {}
      while n % 2 == 0:
          if 2 in factors:
              factors[2] += 1
          else:
              factors[2] = 1
          n //= 2
      for i in range(3, int(n^{**}0.5) + 1, 2):
          while n % i == 0:
              if i in factors:
                  factors[i] += 1
              else:
                  factors[i] = 1
              n //= i
      if n > 2:
          factors[n] = 1
```

return factors

def calculate_sum(arr, num):
 if not arr:
 return -1

factors = prime_factors(num)
 total_sum = 0

for prime, count in factors.items():
 index = prime - 1
 if index >= 0 and index < len(arr):</pre>

total_sum += count * arr[index]

return total_sum

n = int(input())
arr = list(map(int, input().split()))
num = int(input())

result = calculate_sum(arr, num)
print(result)

RESULT

1 / 5 Test Cases Passed | 20 %

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