Explanation:

08

```
Source Code:
```

```
def prime_factors(n):
   factors = set()
    # Check for number of 2s that divide n
   while n % 2 == 0:
        factors.add(2)
       n //= 2
   # n must be odd at this point so a skip of 2 (i.e., i = i + 2) can be used
   for i in range(3, int(n**0.5) + 1, 2):
        while n % i == 0:
            factors.add(i)
            n //= i
    # This condition is to check if n is a prime number greater than 2
    if n > 2:
        factors.add(n)
   return list(factors)
def calculate_sum(arr, num):
   if not arr: # Check if the array is empty
        return -1
    factors = prime_factors(num) # Get prime factors of num
    total_sum = 0
    found_valid_index = False
    for factor in factors:
        if factor < len(arr): # Check if factor can be used as an index
            total_sum += arr[factor]
            found_valid_index = True
    return total_sum if found_valid_index else 0  # Return sum or 0 if no valid index found
# Reading input
n = int(input()) # Length of the array
arr = list(map(int, input().split())) # The array elements
num = int(input()) # The number to factor
# Calculate and print the result
result = calculate_sum(arr, num)
print(result)
```

RESULT

2 / 5 Test Cases Passed | 40 %