

Here is a list of numbers.

2    4    8    10    14    16    18    20    40    81

1. From this list, write down a multiple of 6. {or even number or odd number}
2. From the numbers in the list, write down a factor of 28.
3. From this list, write down a cube number. {or square number}
4. From the numbers in the list, write down a prime number.
5. {Question cover square, cube, multiple and factor}
  - (a) Renee writes down three different factors of 42.  
She adds together her three numbers.  
Her answer is greater than 10 but less than 20.  
Find three numbers that Renee could have written down.
  - (b) Sydney writes down
    - one multiple of 22
    - and two different square numbers.

The sum of these three numbers is 100.  
Find the three numbers that Sydney wrote down.