Benford International School
Mathematics Home work

Topic: Prime Factors Date: **Wednesday, 6/10/2021**

Please read each question carefully and follow the instructions accordingly.

1) If the prime factorization form of 44 is a^b x n, input the value of a, b and n.

a =

b =

n =

2) 280 can be written as product of 3 prime factors, where one of the prime factor is 2^3.

What are the other two factor starting from the small to big?

3) Using the rules of divisibility, amongst the following numbers, write out the numbers that are divisible by 4.

(i) 23408
(ii) 100246
(iii) 34972
(iv) 150126
(v) 58724
(vi) 19000
(vii) 43938
(viii) 846336

4) For a number to be divisible by 9, the sum of the digits of the number must be divisible by ____.

5) Using rules of divisibility, starting from 2-10, list the numbers that can divide 73,260