

**BENFORD INTERNATIONAL SCHOOL**  
**Year 7 Mathematics Home work (3<sup>rd</sup> November, 2021)**

Name: \_\_\_\_\_

**Instructions: Always arrange your factor from the lowest to the largest (ascending order)**

1. If  $7 \times 7 \times 7$  in index form is written in this format:  $a^n$ , then  $a = \underline{\hspace{1cm}}$  and  $n = \underline{\hspace{1cm}}$

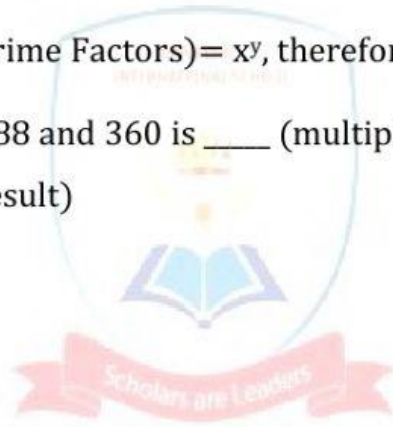
2. The prime factors of 225 are  $\underline{\hspace{1cm}}^2 \times \underline{\hspace{1cm}}^2$

3. The prime factor of 360 in non-index form is:  $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$

4. What is the prime factor of the HCF of 24 and 40?

HCF of 24 and 40 (prime Factors) =  $x^y$ , therefore  $x = \underline{\hspace{1cm}}$  and  $y = \underline{\hspace{1cm}}$

5. The HCF of 216, 288 and 360 is  $\underline{\hspace{1cm}}$  (multiply the prime factors of the HCF and write the result)



Designed by Gidex