

# VASISHTHA GENESIS SCHOOL, BARDOLI

(Academic Session: 2025-26)

Date: \_\_\_\_\_

Class: 5

Div: \_\_\_\_\_

Roll No: \_\_\_\_\_

Sub: Maths

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

Half Yearly Ws -1

## Ch-5 Multiples & Factors

**Q1.** Using divisibility tests, determine whether the following numbers are divisible as directed:

(i) 5366 by 2

(ii) 1845 by 3

(iii) 2772 by 4

(iv) 5468 by 5

(v) 3452 by 9

(vi) 1848 by 7

(vii) 3570 by 10

(viii) 64218 by 11

**Q2. In each of the following check whether the second number is a factor of the first number or not:**

(i) 225 , 5

(ii) 2344, 12

**Q3. Determine the HCF using prime factorization method:**

(i) 64 & 80

(ii) 84, 144 & 168

**Q4. Determine the LCM of following:**

(i) 12, 16 and 24

(ii) 18,30 and 48

(iii) 24, 36 & 48

(iv) 60, 75 and 150

**Q5. Solve the following word problems:**

(i) The length, breadth and height of a room are 165 cm, 225 cm and 285 cm respectively. Find the longest tape which can measure the three dimensions of room exactly.

(ii) In a school ,the first bell rings every 16 minutes, the second bell rings every 18 minutes and the third bell rings every 20 minutes. If all the bells start at 8 am ,then at what time will the three bells ring together again.

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(iii) What is the smallest number that is exactly divisible by 32 ,48 and 64.

(iv) Find the greatest number which divides 155, 125 and 145 .

(v) There are 72 apples and 36 oranges. Each type of fruits is to be arranged in boxes containing an equal number of fruits. Find the largest number of fruits that can be put in each box.