Seven Star International School Bani
Class ---- 5th

Subject -- Maths

Max Marks 30

Section A.  $(10 \times 1 = 10 \text{ marks})$ 

MCQ

1. Which of the following is a multiple of 7?

a) 12 b) 21 c) 30 d) 45

2. The factors of 12 are:

a) 1, 2, 3, 4, 6, 12 b) 1, 2, 3, 6 c) 2, 3, 4, 6 d) 1, 12

3. Which number is a factor of 24 but not a multiple of 6?

a) 4 b) 8 c) 12 d) 24

4. The first three multiples of 9 are:

a) 9, 18, 27 b) 9, 10, 11 c) 18, 27, 36 d) 9, 19, 29

5. If 15 is a factor of a number, which of the following must also be a factor?

a) 3 b) 7 c) 10 d) 20

6. Which of these is a common multiple of 4 and 6?

a) 8 b) 12 c) 18 d) 24

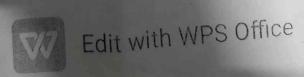
Fill in the Blanks (2 questions)

7. The number \_\_\_\_\_ is a factor of every number.

8. The LCM of 5 and 8 is 40

True / False (2 questions)

9. A prime number has exactly two factors. \*(True / False)\*



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10. Every multiple of 6 is also a multiple of 3. \*(True / False)\*

Section B ( $5 \times 2 = 10 \text{ marks}$ )

11. Find whether 7595 and 6528 are divisible by 5 or not.

12. Find HCF of 12,30 and 57 by long division method. 3

13. Find HCF of 210, 336 and 504 by prime factorization method. 42

14. Find the LCM of 84, 90 and 120 by division method. 2520

(H(F(56,84)=28

15. A farmer has 56 cows and 84 goats. He wants to divide them into groups of equal size. What is the largest number of animals per group? 28

Section C ( $2 \times 3 = 6$  marks)

16. The traffic light at three different roads change after 48s, 72s and 108s. If they all change together at 8:00 AM, when will they change together again? 4323

8:07:12 AM

17. The product of two numbers is 240. If their HCF is 4, find their LCM.

Section D  $(1 \times 4 = 4 \text{ marks})$ 

- 18. 3 traffic lights at three different road crossing change after every 30 second, 48 second and 60 seconds respectively. If all of them change simultaneously at 8:00 a.m. 240
- a). After how many seconds they will change simultaneously?  $3\mu = -kM$
- b). What is the time at that moment and name the colour of light meant to stop. 8:04 Red

