

Edufever.Com Test Series

Class: - VI
Subject: Mathematics

Full Marks: 75
Time: 3 Hr

All questions are compulsory
SECTION-A

1. Choose the correct answers:- (1x5=5)

a. The HCF of 144 and 198

i. 9	ii. 12
ii. 6	iii. 18

b. The HCF of 144, 180 and 192

i. 12	ii. 16
iii. 18	iv. 8

c. The LCM of 24, 36, 40 is

i. 4	ii. 90
iii. 360	iv. 720

d. The LCM of 12,15,20,27 is

i. 270	ii. 360
iii. 480	iv. 540

e. The HCF of two numbers is 145 and their LCM is 2175. If one of the number is 725, the other number is

i. 290	ii. 435
iii. 5	iv. None of these

2. Fill in the blanks:-

- a. I is neither _____ nor _____
- b. The smallest prime number is _____
- c. The smallest composite number is _____
- d. The HCF of two consecutive odd numbers is _____
- e. Two perfect numbers are _____ and _____

3. Write "T" for True and "F" for False statements:- (1x5=5)

- a. Every prime number is odd.
- b. Every even number is composite.
- c. The sum of two odd numbers is always odd.
- d. The sum of two even numbers is always even.
- e. The HCF of two given numbers is always a factor of their LCM.

SECTION-B

4. Answer the following questions: (3 x 10 =30)

- a. Write down the factor of 20.
- b. Write the first five multiples of 17.
- c. Give the prime factorization of 12.
- d. Reduce $\frac{289}{391}$ to the lowest terms.

- e. Find the HCF of 84 & 98
- f. Find the LCM of 42 & 63
- g. Find the sum of $\frac{5}{8} + \frac{1}{8}$
- h. Subtract $3\frac{5}{9}$ from $5\frac{1}{6}$
- i. Find the sum $\frac{5}{8} + \frac{1}{8}$
- j. Multiply 197 by 54.

SECTION- C

5. Solve any six question from the following:

5x6=30

- i. Give the prime factorization of 1260.
- ii. Find the LCM of 22, 54, 108, 135 and 198.
- iii. Write the place value of 14.83
- iv. Simplify : $15 + 24 \div 3 - 1 \times 6$
- v. Find the difference : $\frac{7}{12} - \frac{5}{12}$
- vi. What should we added to $9\frac{2}{3}$ to get 19
- vii. Write the four fraction equivalent of $\frac{3}{4}$
- viii. Find the sum $\frac{4}{9} + \frac{3}{4}$

