Factorial ,Remainder

Classification of Numbers

1. Find the value of * for which 5967*13 becomes divisible by 3.

A]1 B] 2 C] 3 D] 4

Classification of Numbers

2. Find the least value of * for which 4832*18 is divisible by 11

A] 5 B] 3 C] 7 D] 11

Classification of Numbers

3. A number when successively divide by 3, 5, and 8 leaves remainders 1, 4 and 7 respectively. Find the respective remainders if the order of divisors be reversed.

A] 5, 4, 2 B] 6, 4, 2 C] 1, 1, 3

D] None of these

Classification of Numbers

4. 32A76589B is divided by 72. What is the value of A+B?

A] 9 B] 11 C] 5 D] 14

Classification of numbers

5. When 0.47(47 being repeated) is converted into a fraction, the result is:

A]46/90 B] 46/99 C] 47/90 D] 47/99

Classification of Numbers

6. The value of 4.12(2 being repeated) is:

A] 4 (11/90) B] 4 (11/99) C] 371/900

D] None of these

HCF and LCM

1. Find the least number exactly divisible by 9, 10, 15, 18 and 30.

A. 85 B. 90 C. 88 D) 93

HCF and LCM

2. Find the HCF of 5/12, 7/18 and 19/24?

A) 1/72 B) 1/36 C) 25/57 D) 5/48

HCF and LCM

3. What will be the least number which when doubled will be exactly divisible by 24, 36, 42 and 60?

A) 630 B) 196 C) 1260 D) 2520

HCF and LCM

4. Find the L.C.M. of 2^4 x3 x 11, 2^5x3 and 2^3x11.

A) 96 B) 88 C) 132 D) 1056

5.Find the H.C.F. of 2^4 x3 x 11, 2^5x3 and 2^3x11.

A) 96 B) 8 C) 132 D) 1056

HCF and LCM

8. HCF and LCM of two numbers is 5 and 275 respectively and the sum of these two numbers is 80. Find the product of reciprocals these two numbers.

A) 1/1375 B) 2/1375 C) 2/1275 D) 1/1475

HCF and LCM

9.The HCF and LCM of two numbers is 78 and 2340 respectively. If the first number is 390, find the second one

A) 420 B) 362 C) 312 D) 468

HCF and LCM

10. HCF and LCM of two numbers is 5 and 360 respectively and the sum of these two numbers is 85. Find the sum of the reciprocals of these numbers.

A) 15/242 B) 16/275 C) 17/360 D) 20/268

HCF and LCM

15. Find the least number which when divided by 30, 42, 48 and 32 leaves the same remainder 2 in each case.

A. 3362 B. 3360 C. 3456 D. 3262

HCF and LCM

16. Find the least number which when divided by 12, 35 and 54 leaves 6 as a remainder?

A) 3774 B) 3780 C) 3786 D) 4786

HCF and LCM

17. Find the least number which when divided by 5,6,10 and 15 leaves a remainder 3. But when divided by 9 leaves no remainder?

A) 33 B) 63 C) 81 D) 123

HCF and LCM

18. Find the least number which when divided by 4, 10, 12 and 18 leaves a remainder 3 but leaves no remainder when same number is divided by 11 .

A. 281 B. 357 C. 360 D. 363

HCF and LCM

19. Find the least number which when divided by 9, 15, 30 and 45 leaves remainders 5, 11, 26 and 41 respectively.

A) 72 B) 80 C) 85 D) 86

HCF and LCM

20. Find the least number which when divided by 12, 15, 30 and 40 leaves remainder 10, 13, 28 and 38 respectively?

A) 124 B) 116 C) 120 D) 118

Any Doubts???