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| |  |  | | --- | --- | | 1) | How many numbers between 400 and 600 begin with or end with a digit of 5 ? | |  | |  |  | | --- | --- | | a) | 40 | | b) | 100 | | c) | 110 | | d) | 120 |   . | |

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| |  |  | | --- | --- | | 2) | A number when divided by 119 leaves 19 as remainder. If the same number is divided by 17, the remainder obtained is : | |  | |  |  | | --- | --- | | a) | 2 | | b) | 3 | | c) | 7 | | d) | 10 |   . | |

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| |  |  | | --- | --- | | 3) | In the following sum, "?' stands for which digit ?  ? + 1? + 2? + ?3 + ?1 = 21? | |  | |  |  | | --- | --- | | a) | 4 | | b) | 6 | | c) | 8 | | d) | 9 |   . | |

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| |  |  | | --- | --- | | 4) | When a certain number is multiplied by 13, the product consists entirely of fives. The smallest such numbers is : | |  | |  |  | | --- | --- | | a) | 41625 | | b) | 42135 | | c) | 42515 | | d) | 42735 |   . | |

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| |  |  | | --- | --- | | 5) | The sum of all possible two-digit numbers formed from three different one- digit natural numbers when divided by the sum of the original three numbers is equal to : | |  | |  |  | | --- | --- | | a) | 18 | | b) | 22 | | c) | 36 | | d) | None of these |   . | |

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| |  |  | | --- | --- | | 6) | find the sum of prime numbers lying between 60 and 75. | |  | |  |  | | --- | --- | | a) | 199 | | b) | 201 | | c) | 211 | | d) | 272 |   . | |

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| |  |  | | --- | --- | | 7) | The digit in unit's place of the product 81 \* 82 \* ....\* 89 is : | |  | |  |  | | --- | --- | | a) | 0 | | b) | 2 | | c) | 6 | | d) | 8 |   . | |

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| |  |  | | --- | --- | | 8) | How many of the following numbers are divisible by 3 but not by 9 ?  2133, 2343, 3474, 4131, 528, 5340, 6336, 7347, 8115, 9276 | |  | |  |  | | --- | --- | | a) | 5 | | b) | 6 | | c) | 7 | | d) | None of these |   . | |

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| |  |  | | --- | --- | | 9) | A, B ,C Start at the same time in the same direction to run around a circular stadium .A completes a round in 252 seconds , B in 308 seconds and C in 198 seconds, all starting at the same point .After what time will they meet again at the starting point | |  | |  |  | | --- | --- | | a) | 26 minutes18 seconds | | b) | 42 minutes 36 seconds | | c) | 45 minutes | | d) | 46 minutes 12 seconds |   . | |

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| |  |  | | --- | --- | | 10) | Find the least number which when divided by 16, 18, 20 and 25 leaves 4 as remainder in each case, but when divided by 7 leaves no remainder. | |  | |  |  | | --- | --- | | a) | 17004 | | b) | 18000 | | c) | 18002 | | d) | 18004 |   . | |

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| |  |  | | --- | --- | | 11) | If the sum of two numbers is 55 and the HCF and LCM of these numbers are 5 and 120 respectively, then the sum of the reciprocals of the numbers is equal to: | |  | |  |  | | --- | --- | | a) | 55/601 | | b) | 601/51 | | c) | 11/120 | | d) | 120/11 |   . | |

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| |  |  | | --- | --- | | 12) | The product of the LCM and HCF of two numbers is 24.The different of two numbers is 2 .Find the numbers. | |  | |  |  | | --- | --- | | a) | 2 and 4 | | b) | 6 and 4 | | c) | 8 and 6 | | d) | 8 and 10 |   . | |

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| |  |  | | --- | --- | | 13) | The LCM of two numbers is 45 times their HCF. If one of the numbers is 125 and the sum of HCF and LCM is 1150, the other number is: | |  | |  |  | | --- | --- | | a) | 215 | | b) | 220 | | c) | 225 | | d) | 235 |   . | |

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| |  |  | | --- | --- | | 14) | The greatest number which on dividing 1657 and 2037 leaves remainders 6 and 65 respectively, is : | |  | |  |  | | --- | --- | | a) | 123 | | b) | 127 | | c) | 235 | | d) | 305 |   . | |

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| |  |  | | --- | --- | | 15) | What will be the least number which when doubled will be exactly divisible by 12, 18, 21and 30 ? | |  | |  |  | | --- | --- | | a) | 196 | | b) | 630 | | c) | 1260 | | d) | 2520 |   . | |

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| |  |  | | --- | --- | | 16) | The greatest number of four digits which is divisible 15, 25, 40 and 75 is : | |  | |  |  | | --- | --- | | a) | 9000 | | b) | 9400 | | c) | 9600 | | d) | 9800 |   . | |

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| |  |  | | --- | --- | | 17) | The smallest number which when diminished 7, is divisible by 12, 16, 18, 21 and 28 is: | |  | |  |  | | --- | --- | | a) | 1008 | | b) | 1015 | | c) | 1022 | | d) | 1032 |   . | |

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| |  |  | | --- | --- | | 18) | The least number, which when divided by 12, 15, 20 and leaves in each case a remainder of 8, is : | |  | |  |  | | --- | --- | | a) | 504 | | b) | 536 | | c) | 544 | | d) | 548 |   . | |

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| |  |  | | --- | --- | | 19) | The least number which when divided by 5,6,7 and leaves a remainder 3, but when divided by 9 leaves no remainder, is : | |  | |  |  | | --- | --- | | a) | 1677 | | b) | 1683 | | c) | 2523 | | d) | 3363 |   . | |

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| |  |  | | --- | --- | | 20) | Six bells commence tolling together and at intervals of 2, 4, 6, 8, 10 and 12 seconds respectively. In 30 minutes, how many times do they together ? | |  | |  |  | | --- | --- | | a) | 4 | | b) | 10 | | c) | 15 | | d) | 16 |   . | |