

Multiples & Factors – 4

1. $\text{LCM} \div \text{HCF} = \text{Product of the numbers}$. Mark True or False

- a) True b) False

2. The HCF of two numbers is 16 and their LCM is 3040128. If one numbers is 6032, then what is the other number?

- a) 8604 b) 8046
- c) 8064 d) None of these

3. Find the smallest number which when divided by 4, 8, 12 and 20 leaves no remainder?

- a) 210
c) 60
- b) 120
d) 45

4. What is the greatest number that will divide 45 and 81 without leaving a remainder?

- a) 9 b) 18
c) 27 d) 54

5. Find the smallest number that is exactly divisible by 450, 650 and 750 leaving no remainder.

- a) 22950 b) 29250
- c) 29520 d) None of these

6. The HCF of two numbers is 16 and their product is 16128. Find out the LCM of both the numbers?

- a) 1006 b) 1008
c) 63 d) None of these

7. Find out the greatest numbers which completely divides 120, 160 and 200.

- a) 20
c) 40
- b) 30
d) 50

8. Find the least number which when divided separately by 135, 150, 165 and 180 leaves 5 as remainder.

- a) 29700 b) 27900
c) 27095 d) 29705

9. Find the largest number which divides 883 and 1683 leaving remainder 3.

- a) 80
c) 40
- b) 60
d) 20

10. A pen costs 15 rupees, a color box costs 60 rupees and a cricket bat costs 105 rupees. What is the least amount of money which can buy an exact number of either of these items.

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| a) 240 | b) 204 |
| c) 420 | d) 840 |

11. Find the greatest number that divides 107, 133 and 384 leaving 7, 8 and 9 respectively as remainder.

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| a) 125 | b) 75 |
| c) 50 | d) 25 |

12. Three tanks contain 250, 500 and 750 liters of water respectively. Find the largest capacity of a container that can measure the water of each tank the exact number of times.

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| a) 150 liters | b) 250 liters |
| c) 350 liters | d) 450 liters |

13. A gardener wants to plant trees in equal rows of 15, 30 and 60. How many minimum numbers of trees he should have?

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| a) 40 | b) 60 |
| c) 80 | d) 120 |

14. Class teacher distributes sweets to students on Independence Day. If she gives 10, 12 and 15 to each student, then she will be having no sweets with her. What is the minimum numbers of sweets she should buy?

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| a) 30 | b) 40 |
| c) 50 | d) 60 |

15. Find the greatest 4 digits number which is exactly divisible by 12, 48 and 72.

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| a) 9963 | b) 9936 |
| c) 9996 | d) None of these |