



1. The multiples of 19 =

- (i) {38,57,76,95,114,115} (ii) {38,57,76,114,96,75} (iii) {19,38,57,76,95,114,18,115}
(iv) {19,38,57,76,95,114} (v) {19,38,57,76,95,114,18}

2. Find the LCM of {18,16,8}

- (i) 145 (ii) 142 (iii) 147 (iv) 144 (v) 143

3. The common multiples of 4 , 6 and 8 =

- (i) {24,48,72,120,144,99} (ii) {24,72,96,120,144,151} (iii) {24,48,72,120,144,221}
(iv) {24,48,72,96,120,144} (v) {24,48,72,120,144,137}

4. The common multiples of 7 and 3 =

- (i) {21,42,63,84,10} (ii) {21,42,63,105,15} (iii) {21,42,63,105,8} (iv) {21,42,63,84,97}
(v) {21,42,63,84,105}

5. Find the prime factorization of 90

- (i) $1 \times 3^2 \times 5$ (ii) $4 \times 3^2 \times 5$ (iii) $2 \times 3^2 \times 5$ (iv) $2 \times 3^2 \times 5^2$ (v) $2 \times 1 \times 5$

6. Find all common factors of 2 , 10 and 42

- (i) {1,2} (ii) {2,0} (iii) {2,5} (iv) {1,2,0} (v) {1,2,10}

7. The factors of 91 =

- (i) {1,7,13,91,90} (ii) {1,7,91,6} (iii) {1,7,13,91,14,6} (iv) {1,7,13,91} (v) {1,13,90,6}

8. Find the number of prime factors of 10

- (i) 3 (ii) 0 (iii) 4 (iv) 1 (v) 2

9. Find the HCF of {75,150}

- (i) 72 (ii) 75 (iii) 74 (iv) 77 (v) 76

10. Find the total number of factors of 4320

- (i) 47 (ii) 49 (iii) 50 (iv) 46 (v) 48

11. Find the HCF of {1440,2400}

- (i) 478 (ii) 480 (iii) 479 (iv) 481 (v) 482

12. Find the HCF of {25,6}

- (i) 0 (ii) 4 (iii) 1 (iv) (-1) (v) 2

13. The factors of 35 =

- (i) {5,7,35,6} (ii) {1,5,7,35,6,2} (iii) {1,5,7,35,8} (iv) {1,5,7,35} (v) {5,35,34,8}

14. Find the HCF of {9,18}

- (i) 10 (ii) 9 (iii) 12 (iv) 8 (v) 6

15. Find the prime factorization of 6000

- (i) $2^4 \times 3 \times 7^3$ (ii) $2^4 \times 1 \times 5^3$ (iii) $2^4 \times 3 \times 5^3$ (iv) $2^4 \times 3 \times 5^2$ (v) $2^4 \times 3 \times 5^4$

16. Find the total number of factors of 86

- (i) 6 (ii) 4 (iii) 5 (iv) 2 (v) 3

17. Find the LCM of {14,16,4,8}

- (i) 110 (ii) 112 (iii) 113 (iv) 114 (v) 111

18. Find the prime factorization of 30

- (i) $2 \times 1 \times 5$ (ii) $2 \times 2 \times 5$ (iii) $2 \times 3 \times 5^2$ (iv) $2 \times 3 \times 5$ (v) $2 \times 3 \times 8$

19. Find the LCM of {12,4}

- (i) 10 (ii) 13 (iii) 15 (iv) 12 (v) 11

20. Find the number of prime factors of 1824

- (i) 4 (ii) 1 (iii) 0 (iv) 2 (v) 3

21. Find the product of LCM and HCF of {9,6}

- (i) 51 (ii) 53 (iii) 57 (iv) 55 (v) 54

22. Which of the following is a prime number?

- (i) 10 (ii) 27 (iii) 32 (iv) 29 (v) 12

23. The common multiples of 4, 6 and 8 =

- (i) {24,48,72,120,144,79} (ii) {24,48,72,96,144,139} (iii) {24,48,72,96,120,17}
(iv) {24,72,96,120,144,69} (v) {24,48,72,96,120,144}

24. The common multiples of 7 and 5 =

- (i) {35,70,105,140,175} (ii) {35,70,105,140,186} (iii) {35,70,105,140,14} (iv) {35,105,140,175,85}
(v) {35,70,140,175,265}

25. Find the number of prime factors of 4032

- (i) 4 (ii) 0 (iii) 1 (iv) 2 (v) 3

Assignment Key

1) (iv)	2) (iv)	3) (iv)	4) (v)	5) (iii)	6) (i)
7) (iv)	8) (v)	9) (ii)	10) (v)	11) (ii)	12) (iii)
13) (iv)	14) (ii)	15) (iii)	16) (ii)	17) (ii)	18) (iv)
19) (iv)	20) (v)	21) (v)	22) (iv)	23) (v)	24) (i)
25) (v)					