



1. Find the prime factorization of 24

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

2. Find the prime factorization of 60

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

3. Find the prime factorization of 72

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

4. Find the prime factorization of 3328

- (i) $2^6 \times 13$ (ii) $2^8 \times 13^2$ (iii) $2^7 \times 13$ (iv) $2^8 \times 13$ (v) $5^8 \times 13$

5. Find the number of prime factors of 48

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

6. Find the number of prime factors of 63

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

7. Find the number of prime factors of 450

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

8. Find the number of prime factors of 12012

- (i) 7 (ii) 6 (iii) 2 (iv) 5 (v) 4

9. Find the total number of factors of 10

- (i) 1 (ii) 3 (iii) 4 (iv) 5 (v) 7

10. Find the total number of factors of 62

- (i) 5 (ii) 3 (iii) 7 (iv) 4 (v) 2

11. Find the total number of factors of 120

- (i) 13 (ii) 15 (iii) 16 (iv) 18 (v) 17

12. Find the total number of factors of 3240

- (i) 39 (ii) 40 (iii) 42 (iv) 41 (v) 37

13. Find the HCF of {12,10}

- (i) 1 (ii) 2 (iii) 0 (iv) 5 (v) 3

14. Find the HCF of {18,33}

(i) 6 (ii) 4 (iii) 0 (iv) 2 (v) 3

15. Find the HCF of {46,39,48}

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

16. Find the HCF of {18,15,12,40}

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

17. Find the HCF of {70,190}

(i) 9 (ii) 11 (iii) 12 (iv) 10 (v) 7

18. Find the HCF of {1200,1260}

(i) 61 (ii) 59 (iii) 57 (iv) 60 (v) 63

19. Find the HCF of {112,32,344}

(i) 10 (ii) 5 (iii) 9 (iv) 7 (v) 8

20. Find the HCF of {300,615,330,180}

(i) 13 (ii) 14 (iii) 17 (iv) 16 (v) 15

21. Find the LCM of {4,9}

(i) 39 (ii) 37 (iii) 34 (iv) 35 (v) 36

22. Find the LCM of {15,6}

(i) 32 (ii) 28 (iii) 31 (iv) 30 (v) 29

23. Find the LCM of {9,14,4}

(i) 252 (ii) 250 (iii) 254 (iv) 253 (v) 251

24. Find the LCM of {9,6,4,18}

(i) 35 (ii) 34 (iii) 36 (iv) 39 (v) 37

25. Find the LCM of {24,96}

(i) 97 (ii) 99 (iii) 96 (iv) 94 (v) 95

26. Find the LCM of {84,36}

(i) 251 (ii) 253 (iii) 255 (iv) 252 (v) 249

27. Find the LCM of {96,120,168}

(i) 3361 (ii) 3362 (iii) 3359 (iv) 3358 (v) 3360

28. Find the LCM of {320,800,560,120}

(i) 33598 (ii) 33600 (iii) 33599 (iv) 33602 (v) 33601

29. Find the product of LCM and HCF of {9,8}

(i) 72 (ii) 73 (iii) 69 (iv) 74 (v) 71

30. Find the product of LCM and HCF of {21,15}
(i) 318 (ii) 316 (iii) 314 (iv) 315 (v) 313

31. Find the product of LCM and HCF of {15,28,20}
(i) 421 (ii) 419 (iii) 420 (iv) 417 (v) 422

32. Find the product of LCM and HCF of {4,18,27,21}
(i) 756 (ii) 755 (iii) 753 (iv) 757 (v) 759

Assignment Key

1) (i)	2) (iii)	3) (v)	4) (iv)	5) (iii)	6) (iii)
7) (ii)	8) (iv)	9) (iii)	10) (iv)	11) (iii)	12) (ii)
13) (ii)	14) (v)	15) (iii)	16) (ii)	17) (iv)	18) (iv)
19) (v)	20) (v)	21) (v)	22) (iv)	23) (i)	24) (iii)
25) (iii)	26) (iv)	27) (v)	28) (ii)	29) (i)	30) (iv)
31) (iii)	32) (i)				