



1. Find the prime factorization of 48

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

2. Find the prime factorization of 76

- (i) $2^2 \times 17$ (ii) $2^2 \times 21$ (iii) $2^3 \times 19$ (iv) $2^2 \times 19$ (v) $2^2 \times 18$

3. Find the prime factorization of 340

- (i) $2^2 \times 5 \times 17$ (ii) $2^3 \times 5 \times 17$ (iii) $5^2 \times 5 \times 17$ (iv) $2^2 \times 5 \times 16$ (v) $(-1)^2 \times 5 \times 17$

4. Find the prime factorization of 3960

- (i) $2^3 \times 3^2 \times 5 \times 11$ (ii) $2^3 \times 3^2 \times 5^2 \times 11$ (iii) $2^3 \times 3^2 \times 5 \times 9$ (iv) $2^2 \times 3^2 \times 5 \times 11$ (v) $5^3 \times 3^2 \times 5 \times 11$

5. Find the number of prime factors of 30

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

6. Find the number of prime factors of 64

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

7. Find the number of prime factors of 192

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

8. Find the number of prime factors of 6776

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

9. Find the total number of factors of 34

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

10. Find the total number of factors of 64

- (i) 8 (ii) 10 (iii) 6 (iv) 5 (v) 7

11. Find the total number of factors of 60

- (i) 15 (ii) 9 (iii) 13 (iv) 11 (v) 12

12. Find the total number of factors of 4500

- (i) 38 (ii) 34 (iii) 37 (iv) 36 (v) 35

13. Find the HCF of {8,12}

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

14. Find the HCF of {21,49}

(i) 9 (ii) 8 (iii) 6 (iv) 4 (v) 7

15. Find the HCF of {14,8,12}

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

16. Find the HCF of {24,40,8,15}

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

17. Find the HCF of {45,240}

(i) 14 (ii) 12 (iii) 17 (iv) 16 (v) 15

18. Find the HCF of {648,1104}

(i) 23 (ii) 26 (iii) 22 (iv) 24 (v) 25

19. Find the HCF of {204,48,240}

(i) 13 (ii) 10 (iii) 12 (iv) 14 (v) 11

20. Find the HCF of {2160,1620,1260,2400}

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

21. Find the LCM of {9,4}

(i) 36 (ii) 35 (iii) 38 (iv) 33 (v) 37

22. Find the LCM of {14,18}

(i) 125 (ii) 129 (iii) 126 (iv) 127 (v) 123

23. Find the LCM of {8,6,15}

(i) 121 (ii) 119 (iii) 123 (iv) 118 (v) 120

24. Find the LCM of {14,4,9,18}

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

25. Find the LCM of {64,40}

(i) 319 (ii) 321 (iii) 323 (iv) 320 (v) 318

26. Find the LCM of {300,80}

(i) 1201 (ii) 1198 (iii) 1200 (iv) 1199 (v) 1202

27. Find the LCM of {40,280,140}

(i) 281 (ii) 280 (iii) 282 (iv) 279 (v) 278

28. Find the LCM of {480,900,1140,1020}

(i) 2325599 (ii) 2325600 (iii) 2325602 (iv) 2325601 (v) 2325597

29. Find the product of LCM and HCF of {6,8}

(i) 48 (ii) 45 (iii) 47 (iv) 50 (v) 49

30. Find the product of LCM and HCF of {24,8}

(i) 191 (ii) 189 (iii) 193 (iv) 192 (v) 194

31. Find the product of LCM and HCF of {25,26,24}

(i) 7800 (ii) 7802 (iii) 7799 (iv) 7801 (v) 7798

32. Find the product of LCM and HCF of {10,25,14,22}

(i) 3851 (ii) 3850 (iii) 3853 (iv) 3849 (v) 3847

Assignment Key

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