



1. Find the prime factorization of 32

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

2. Find the prime factorization of 94

- (i)  $1 \times 47$  (ii)  $2 \times 47$  (iii)  $2 \times 45$  (iv)  $5 \times 47$  (v)  $2 \times 47^2$

3. Find the prime factorization of 405

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

4. Find the prime factorization of 1944

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

5. Find the number of prime factors of 27

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

6. Find the number of prime factors of 98

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

7. Find the number of prime factors of 968

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

8. Find the number of prime factors of 840

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

9. Find the total number of factors of 24

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

10. Find the total number of factors of 93

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

11. Find the total number of factors of 630

- (i) 27 (ii) 25 (iii) 22 (iv) 23 (v) 24

12. Find the total number of factors of 1350

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

13. Find the HCF of {14,10}

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

14. Find the HCF of {22,21}

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

15. Find the HCF of {49,22,45}

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

16. Find the HCF of {36,15,30,26}

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

17. Find the HCF of {264,312}

- (i) 24 (ii) 27 (iii) 22 (iv) 23 (v) 25

18. Find the HCF of {252,222}

- (i) 4 (ii) 7 (iii) 9 (iv) 6 (v) 5

19. Find the HCF of {570,615,195}

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

20. Find the HCF of {660,1080,120,2760}

- (i) 60 (ii) 62 (iii) 58 (iv) 61 (v) 59

21. Find the LCM of {8,4}

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

22. Find the LCM of {12,8}

- (i) 25 (ii) 26 (iii) 23 (iv) 21 (v) 24

23. Find the LCM of {12,9,18}

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

24. Find the LCM of {8,4,14,15}

- (i) 842 (ii) 840 (iii) 841 (iv) 839 (v) 838

25. Find the LCM of {54,60}

- (i) 539 (ii) 538 (iii) 541 (iv) 540 (v) 543

26. Find the LCM of {120,240}

- (i) 240 (ii) 241 (iii) 238 (iv) 243 (v) 239

27. Find the LCM of {48,64,16}

- (i) 193 (ii) 192 (iii) 190 (iv) 195 (v) 191

28. Find the LCM of {42,102,96,30}

- (i) 57117 (ii) 57120 (iii) 57121 (iv) 57119 (v) 57122

29. Find the product of LCM and HCF of {4,8}

- (i) 31 (ii) 32 (iii) 29 (iv) 34 (v) 33

30. Find the product of LCM and HCF of {21,28}

(i) 588 (ii) 586 (iii) 589 (iv) 591 (v) 587

31. Find the product of LCM and HCF of {14,8,25}

(i) 1400 (ii) 1398 (iii) 1401 (iv) 1399 (v) 1403

32. Find the product of LCM and HCF of {8,25,10,18}

(i) 1799 (ii) 1800 (iii) 1797 (iv) 1801 (v) 1802

## Assignment Key

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