



1. Find the prime factorization of 16

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

2. Find the prime factorization of 60

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

3. Find the prime factorization of 1748

- (i) $4^2 \times 19 \times 23$ (ii) $2^2 \times 19^2 \times 23$ (iii) $2 \times 19 \times 23$ (iv) $2^2 \times 16 \times 23$ (v) $2^2 \times 19 \times 23$

4. Find the prime factorization of 2592

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

5. Find the number of prime factors of 27

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

6. Find the number of prime factors of 72

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

7. Find the number of prime factors of 616

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

8. Find the number of prime factors of 4860

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

9. Find the total number of factors of 36

- (i) 8 (ii) 9 (iii) 10 (iv) 11 (v) 7

10. Find the total number of factors of 77

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

11. Find the total number of factors of 462

- (i) 13 (ii) 15 (iii) 16 (iv) 19 (v) 17

12. Find the total number of factors of 240

- (i) 20 (ii) 18 (iii) 23 (iv) 19 (v) 21

13. Find the HCF of {14,4}

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

14. Find the HCF of {44,24}

- (i) 6 (ii) 3 (iii) 1 (iv) 4 (v) 5

15. Find the HCF of {24,40,22}

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

16. Find the HCF of {24,28,44,25}

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

17. Find the HCF of {96,120}

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

18. Find the HCF of {80,300}

- (i) 20 (ii) 19 (iii) 21 (iv) 22 (v) 18

19. Find the HCF of {136,336,24}

- (i) 11 (ii) 5 (iii) 7 (iv) 9 (v) 8

20. Find the HCF of {600,432,492,36}

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

21. Find the LCM of {9,4}

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

22. Find the LCM of {10,16}

- (i) 79 (ii) 83 (iii) 78 (iv) 81 (v) 80

23. Find the LCM of {15,9,12}

- (i) 182 (ii) 180 (iii) 181 (iv) 179 (v) 178

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

- (i) 112 (ii) 113 (iii) 115 (iv) 109 (v) 111

25. Find the LCM of {280,320}

- (i) 2241 (ii) 2238 (iii) 2242 (iv) 2240 (v) 2239

26. Find the LCM of {144,160}

- (i) 1443 (ii) 1439 (iii) 1440 (iv) 1438 (v) 1441

27. Find the LCM of {144,120,192}

- (i) 2877 (ii) 2879 (iii) 2881 (iv) 2882 (v) 2880

28. Find the LCM of {210,150,30,105}

- (i) 1049 (ii) 1050 (iii) 1053 (iv) 1048 (v) 1051

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

- (i) 32 (ii) 31 (iii) 30 (iv) 34 (v) 33

30. Find the product of LCM and HCF of {15,8}

(i) 119 (ii) 122 (iii) 118 (iv) 120 (v) 121

31. Find the product of LCM and HCF of {4,14,22}

(i) 613 (ii) 615 (iii) 617 (iv) 616 (v) 619

32. Find the product of LCM and HCF of {27,8,12,24}

(i) 216 (ii) 214 (iii) 215 (iv) 218 (v) 217

Assignment Key

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