



1. Find the prime factorization of 45

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

2. Find the prime factorization of 63

- (i) $3^2 \times 7$ (ii) $3^2 \times 10$ (iii) $3^3 \times 7$ (iv) $3^{-1} \times 7$ (v) 3×7

3. Find the prime factorization of 910

- (i) $2 \times 2 \times 7 \times 13$ (ii) $2 \times 4 \times 7 \times 13$ (iii) $2 \times 7 \times 7 \times 13$ (iv) $2^2 \times 5 \times 7 \times 13$ (v) $2 \times 5 \times 7 \times 13$

4. Find the prime factorization of 11880

- (i) $2^3 \times 3^3 \times 5 \times 10$ (ii) $4^3 \times 3^3 \times 5 \times 11$ (iii) $2^3 \times 3^3 \times 3 \times 11$ (iv) $2^4 \times 3^3 \times 5 \times 11$ (v) $2^3 \times 3^3 \times 5 \times 11$

5. Find the number of prime factors of 16

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

6. Find the number of prime factors of 95

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

7. Find the number of prime factors of 168

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

8. Find the number of prime factors of 972

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

9. Find the total number of factors of 15

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

10. Find the total number of factors of 78

- (i) 6 (ii) 8 (iii) 10 (iv) 9 (v) 7

11. Find the total number of factors of 204

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

12. Find the total number of factors of 3080

- (i) 32 (ii) 33 (iii) 35 (iv) 31 (v) 29

13. Find the HCF of {10,6}

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

14. Find the HCF of {26,4}

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

15. Find the HCF of {16,14,39}

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

16. Find the HCF of {20,8,25,18}

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

17. Find the HCF of {180,192}

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

18. Find the HCF of {320,32}

- (i) 31 (ii) 35 (iii) 33 (iv) 29 (v) 32

19. Find the HCF of {1000,1040,320}

- (i) 40 (ii) 39 (iii) 41 (iv) 38 (v) 43

20. Find the HCF of {504,408,840,288}

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

21. Find the LCM of {8,6}

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

22. Find the LCM of {12,18}

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

23. Find the LCM of {18,16,4}

- (i) 144 (ii) 141 (iii) 143 (iv) 145 (v) 147

24. Find the LCM of {10,4,6,14}

- (i) 420 (ii) 423 (iii) 418 (iv) 421 (v) 419

25. Find the LCM of {120,105}

- (i) 840 (ii) 837 (iii) 839 (iv) 842 (v) 841

26. Find the LCM of {90,210}

- (i) 633 (ii) 631 (iii) 629 (iv) 628 (v) 630

27. Find the LCM of {204,108,120}

- (i) 18359 (ii) 18358 (iii) 18360 (iv) 18363 (v) 18361

28. Find the LCM of {42,54,90,66}

- (i) 20791 (ii) 20792 (iii) 20789 (iv) 20790 (v) 20787

29. Find the product of LCM and HCF of {9,4}

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

30. Find the product of LCM and HCF of {12,21}
(i) 252 (ii) 254 (iii) 249 (iv) 253 (v) 251

31. Find the product of LCM and HCF of {26,4,6}
(i) 312 (ii) 314 (iii) 310 (iv) 313 (v) 311

32. Find the product of LCM and HCF of {15,20,10,28}
(i) 423 (ii) 419 (iii) 421 (iv) 417 (v) 420

Assignment Key

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