



1. Find the LCM of {84,96}

- (i) 671 (ii) 675 (iii) 670 (iv) 672 (v) 673

2. Find the number of prime factors of 225

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

3. Find the total number of factors of 25

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

4. Find the number of prime factors of 76

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

5. Find the total number of factors of 82

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

6. Find the LCM of {14,9,4,8}

- (i) 505 (ii) 506 (iii) 504 (iv) 503 (v) 502

7. Find the prime factorization of 6552

- (i)  $2^3 \times 3 \times 7 \times 13$  (ii)  $2^3 \times 3^2 \times 7 \times 13^2$  (iii)  $2^3 \times 3^2 \times 7 \times 13$  (iv)  $2^3 \times 3^2 \times 7 \times 11$  (v)  $2^3 \times 3^2 \times 10 \times 13$

8. Find the LCM of {15,4}

- (i) 60 (ii) 58 (iii) 61 (iv) 59 (v) 63

9. The factors of 62 =

- (i) {1,2,31,62} (ii) {1,2,31,62,32} (iii) {31,62,32,2} (iv) {1,2,31,62,61,32} (v) {1,31,62,61}

10. Find the LCM of {42,30,96,114}

- (i) 63841 (ii) 63840 (iii) 63837 (iv) 63842 (v) 63839

11. Find the HCF of {34,4,18,48}

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

12. Find the number of prime factors of 1260

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

13. The factors of 97 =

- (i) {2,96} (ii) {97,96} (iii) {1,97} (iv) {1,97,2,96} (v) {1,97,2}

14. Find the HCF of {1360,1560,1120}

- (i) 37 (ii) 39 (iii) 41 (iv) 40 (v) 43

15. Find the number of prime factors of 9

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

16. Which of the following is a composite number?

- (i) 44 (ii) 23 (iii) 31 (iv) 43 (v) 19

17. The multiples of 18 =

- (i) {18,54,72,108,35,19} (ii) {18,36,54,72,90,108,73,19} (iii) {18,36,54,72,90,108,53}  
(iv) {18,36,54,72,108,19} (v) {18,36,54,72,90,108}

18. Find all common factors of 26 , 16 and 4

- (i) {1,2,26} (ii) {2,16} (iii) {1,2} (iv) {1,2,16} (v) {2,26}

19. Find the HCF of {12,26,14}

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

20. Find the LCM of {4,6}

- (i) 12 (ii) 10 (iii) 13 (iv) 11 (v) 15

21. Find the HCF of {1440,780}

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

22. Find the HCF of {12,16}

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

23. Find the product of LCM and HCF of {20,25,14,9}

- (i) 6300 (ii) 6299 (iii) 6301 (iv) 6303 (v) 6297

24. Find the HCF of {24,16}

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

25. Find the product of LCM and HCF of {21,6}

- (i) 127 (ii) 129 (iii) 125 (iv) 126 (v) 124

## Assignment Key

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