



1. Find the prime factorization of 20

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

2. Find the prime factorization of 52

- (i) $2^2 \times 13$ (ii) $2^3 \times 13$ (iii) $2^2 \times 10$ (iv) $2^2 \times 15$ (v) $2^2 \times 12$

3. Find the prime factorization of 1326

- (i) $-1 \times 3 \times 13 \times 17$ (ii) $2 \times 3 \times 13 \times 17^2$ (iii) $2 \times 6 \times 13 \times 17$ (iv) $2 \times 3 \times 13 \times 17$ (v) $2 \times 2 \times 13 \times 17$

4. Find the prime factorization of 6600

- (i) $2^3 \times 3 \times 2^2 \times 11$ (ii) $2^3 \times 3 \times 5^3 \times 11$ (iii) $2^3 \times 3 \times 5 \times 11$ (iv) $2^3 \times 3 \times 5^2 \times 13$ (v) $2^3 \times 3 \times 5^2 \times 11$

5. Find the number of prime factors of 28

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

6. Find the number of prime factors of 99

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

7. Find the number of prime factors of 380

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

8. Find the number of prime factors of 432

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

9. Find the total number of factors of 33

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

10. Find the total number of factors of 86

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

11. Find the total number of factors of 90

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

12. Find the total number of factors of 11700

- (i) 52 (ii) 55 (iii) 53 (iv) 56 (v) 54

Assignment Key

1) (v)

2) (i)

3) (iv)

4) (v)

5) (ii)

6) (iv)

7) (v)

8) (iii)

9) (i)

10) (iii)

11) (v)

12) (v)