



1. Find the prime factorization of 44

- (i) $2^2 \times 11^2$ (ii) $2^2 \times 10$ (iii) $2^2 \times 11$ (iv) $4^2 \times 11$ (v) $2^{-1} \times 11$

2. Find the prime factorization of 51

- (i) 3×16 (ii) 5×17 (iii) 3×17 (iv) $3^2 \times 17$ (v) $3^{-1} \times 17$

3. Find the prime factorization of 96

- (i) $2^6 \times 3$ (ii) $2^5 \times 3$ (iii) $2^5 \times 2$ (iv) $2^5 \times 5$ (v) $2^5 \times 3^{-1}$

4. Find the prime factorization of 10368

- (i) $2^7 \times 3^4$ (ii) $2^7 \times 3^3$ (iii) $2^8 \times 3^4$ (iv) $2^7 \times 5^4$ (v) $(-1)^7 \times 3^4$

5. Find the number of prime factors of 26

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

6. Find the number of prime factors of 76

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

7. Find the number of prime factors of 1120

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

8. Find the number of prime factors of 10920

- (i) 5 (ii) 8 (iii) 6 (iv) 4 (v) 2

9. Find the total number of factors of 33

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

10. Find the total number of factors of 55

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

11. Find the total number of factors of 500

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

12. Find the total number of factors of 6552

- (i) 50 (ii) 49 (iii) 48 (iv) 47 (v) 45

Assignment Key

1) (iii)

2) (iii)

3) (ii)

4) (i)

5) (v)

6) (iv)

7) (v)

8) (i)

9) (iii)

10) (iv)

11) (i)

12) (iii)

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