



1. Find the prime factorization of 22

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

2. Find the prime factorization of 66

- (i)  $2 \times 3^{-1} \times 11$  (ii)  $2 \times 3^2 \times 11$  (iii)  $2 \times 5 \times 11$  (iv)  $2 \times 3 \times 11$  (v)  $1 \times 3 \times 11$

3. Find the prime factorization of 650

- (i)  $2 \times 3^2 \times 13$  (ii)  $2 \times 5 \times 13$  (iii)  $4 \times 5^2 \times 13$  (iv)  $2 \times 5^3 \times 13$  (v)  $2 \times 5^2 \times 13$

4. Find the prime factorization of 960

- (i)  $2^7 \times 3 \times 5$  (ii)  $2^6 \times 3 \times 2$  (iii)  $5^6 \times 3 \times 5$  (iv)  $2^5 \times 3 \times 5$  (v)  $2^6 \times 3 \times 5$

5. Find the number of prime factors of 46

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

6. Find the number of prime factors of 68

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

7. Find the number of prime factors of 351

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

8. Find the number of prime factors of 4860

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

9. Find the total number of factors of 35

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

10. Find the total number of factors of 56

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

11. Find the total number of factors of 1225

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

12. Find the total number of factors of 7280

- (i) 37 (ii) 40 (iii) 39 (iv) 42 (v) 41

## Assignment Key

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1) (iv)	2) (iv)	3) (v)	4) (v)	5) (iv)	6) (iii)
7) (iv)	8) (ii)	9) (iii)	10) (iii)	11) (iii)	12) (ii)