EduSahara™ Assignment

Name : Prime Factorization Miscellaneous

Chapter : Playing with Numbers

Grade : SSC Grade VI

1. Find the number of prime factors of 39

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

2. Find the number of prime factors of 87

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

3. Find the product of LCM and HCF of {12,21}

   (i) 252 (ii) 253 (iii) 249 (iv) 251 (v) 255

4. Find the product of LCM and HCF of {6,25,16}

   (i) 1203 (ii) 1197 (iii) 1200 (iv) 1201 (v) 1199

5. Find the product of LCM and HCF of {28,24,26,22}

   (i) 48045 (ii) 48049 (iii) 48048 (iv) 48047 (v) 48051

6. What is the number that divides {3151,865,2593} leaving a remainder of 1

   (i) 21 (ii) 18 (iii) 17 (iv) 16 (v) 19

7. What is the number that divides {1626,781,1249} leaving a remainder of 1

   (i) 12 (ii) 14 (iii) 11 (iv) 13 (v) 16

8. Find the number of prime factors of 468

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

9. Find the number of prime factors of 3960

   (i) 5 (ii) 1 (iii) 6 (iv) 3 (v) 4

10. Find the total number of factors of 44

    (i) 7 (ii) 5 (iii) 8 (iv) 6 (v) 4

11. Find the total number of factors of 62

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

12. Find the total number of factors of 216

    (i) 16 (ii) 15 (iii) 18 (iv) 14 (v) 17

13. Find the total number of factors of 11340

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

Assignment Key

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