EduSahara™ Assignment

Name : Prime Factorization Miscellaneous

Chapter : Playing with Numbers

Grade : SSC Grade VI

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1. Find the number of prime factors of 35

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

2. Find the number of prime factors of 80

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

3. Find the product of LCM and HCF of $\{28,16\}$

   (i) 445 (ii) 448 (iii) 449 (iv) 450 (v) 447

4. Find the product of LCM and HCF of $\{9,14,18\}$

   (i) 128 (ii) 124 (iii) 125 (iv) 127 (v) 126

5. Find the product of LCM and HCF of $\{21,24,4,14\}$

   (i) 171 (ii) 165 (iii) 169 (iv) 168 (v) 167

6. What is the number that divides $\{3618,2418\}$ leaving a remainder of 18

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

7. What is the number that divides $\{1805,725,2165\}$ leaving a remainder of 5

   (i) 360 (ii) 359 (iii) 363 (iv) 361 (v) 358

8. Find the number of prime factors of 1936

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

9. Find the number of prime factors of 8580

   (i) 2 (ii) 6 (iii) 4 (iv) 5 (v) 7

10. Find the total number of factors of 9

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

11. Find the total number of factors of 63

    (i) 4 (ii) 9 (iii) 5 (iv) 6 (v) 7

12. Find the total number of factors of 1482

    (i) 13 (ii) 16 (iii) 17 (iv) 18 (v) 15

13. Find the total number of factors of 4704

    (i) 35 (ii) 38 (iii) 34 (iv) 36 (v) 37

Assignment Key

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

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