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 28

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

2. Find the number of prime factors of 70

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

3. Find the product of LCM and HCF of $\{21,20\}$

   (i) 423 (ii) 419 (iii) 420 (iv) 421 (v) 418

4. Find the product of LCM and HCF of $\{27,22,4\}$

   (i) 1188 (ii) 1186 (iii) 1187 (iv) 1190 (v) 1189

5. Find the product of LCM and HCF of $\{28,4,27,15\}$

   (i) 3783 (ii) 3781 (iii) 3778 (iv) 3780 (v) 3779

6. What is the number that divides $\{3164,554,2264\}$ leaving a remainder of 14

   (i) 91 (ii) 88 (iii) 93 (iv) 90 (v) 89

7. What is the number that divides $\{5271,1521,2421\}$ leaving a remainder of 21

   (i) 151 (ii) 149 (iii) 148 (iv) 150 (v) 152

8. Find the number of prime factors of 945

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

9. Find the number of prime factors of 3840

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

10. Find the total number of factors of 24

    (i) 7 (ii) 6 (iii) 11 (iv) 8 (v) 9

11. Find the total number of factors of 91

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

12. Find the total number of factors of 160

    (i) 14 (ii) 11 (iii) 12 (iv) 9 (v) 13

13. Find the total number of factors of 1440

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

Assignment Key

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

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