



1. Find the number of prime factors of 52

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

2. Find the prime factorization of 80

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

3. The common multiples of 8, 9 and 6 =

- (i) {72,144,265} (ii) {72,144,239} (iii) {72,144,316} (iv) {72,144,152} (v) {72,144,216}

4. The multiples of 14 =

- (i) {42,56,70,84,27,13} (ii) {14,28,42,56,70,84} (iii) {14,28,42,70,84,41} (iv) {14,28,42,56,70,84,55}
(v) {14,28,42,56,70,84,83,55}

5. Find the prime factorization of 49

- (i) 7^3 (ii) 7 (iii) 9^2 (iv) 4^2 (v) 7^2

6. Which of the following numbers is divisible by 10?

- (i) 8939 (ii) 8941 (iii) 8942 (iv) 8940 (v) 8938

7. The factors of 17 =

- (i) {1,17} (ii) {1,17,2} (iii) {1,17,2,16} (iv) {1,16} (v) {2,16}

8. Find the HCF of {420,600,105,585}

- (i) 17 (ii) 16 (iii) 13 (iv) 15 (v) 14

9. Find the L.C.M of $\frac{38}{15}, \frac{26}{12}$

- (i) $\frac{494}{5}$ (ii) 494 (iii) $\frac{494}{3}$ (iv) $\frac{496}{3}$ (v) 164

10. Find the prime factorization of 320

- (i) $5^6 \times 5$ (ii) $2^6 \times 4$ (iii) $2^6 \times 3$ (iv) $2^7 \times 5$ (v) $2^6 \times 5$

11. Find all common factors of 37 and 3

- (i) {1,3} (ii) {1} (iii) {3} (iv) {1,37} (v) {37}

12. What is the number that divides {5272,3147,3622} leaving a remainder of 22

- (i) 25 (ii) 22 (iii) 28 (iv) 26 (v) 24

13. Which of the following numbers is divisible by 7?

- (i) 3708 (ii) 3709 (iii) 3712 (iv) 3711 (v) 3710

14. Find the LCM of {144,408,120}

- (i) 12243 (ii) 12241 (iii) 12240 (iv) 12238 (v) 12239

15. Find the HCF of {132,408}

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

16. The multiples of 18 =

- (i) {18,36,54,72,90,108,17,37} (ii) {18,54,72,108,37,53} (iii) {18,36,54,72,90,108,71}
(iv) {18,36,54,90,108,37} (v) {18,36,54,72,90,108}

17. Find the product of LCM and HCF of {14,18,21,28}

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

18. What is the number that divides {5466,1956,2086} leaving a remainder of 6

- (i) 132 (ii) 129 (iii) 128 (iv) 131 (v) 130

19. Find the prime factorization of 3600

- (i) $2^4 \times 1 \times 5^2$ (ii) $2^4 \times 3^2 \times 5$ (iii) $2^5 \times 3^2 \times 5^2$ (iv) $2^4 \times 6^2 \times 5^2$ (v) $2^4 \times 3^2 \times 5^2$

20. Find the HCF of {34,25,8}

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

21. The factors of 17 =

- (i) {1,17,16} (ii) {1,16} (iii) {1,17,16,2} (iv) {1,17} (v) {16,2}

22. Find the LCM of {18,6,15,4}

- (i) 177 (ii) 179 (iii) 183 (iv) 181 (v) 180

23. Find all common factors of 26 , 45 and 28

- (i) {13} (ii) {1} (iii) {3} (iv) {1,13} (v) {1,45}

24. The multiples of 19 =

- (i) {19,38,57,76,95,114} (ii) {19,38,57,76,114,115} (iii) {19,38,57,76,95,114,37}
(iv) {19,38,76,114,77,96} (v) {19,38,57,76,95,114,58,20}

25. Find the HCF of {136,96}

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

Assignment Key

1) (i)	2) (iii)	3) (v)	4) (ii)	5) (v)	6) (iv)
7) (i)	8) (iv)	9) (iii)	10) (v)	11) (ii)	12) (i)
13) (v)	14) (iii)	15) (iii)	16) (v)	17) (iv)	18) (v)
19) (v)	20) (iii)	21) (iv)	22) (v)	23) (ii)	24) (i)
25) (v)					

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