

EduSahara™ Learning Center Assignment**Grade : Class VII, ICSE****Chapter : Factors and Multiples****Name : G.C.D****Licensed To : Teachers and Students for non-commercial use**

1. The factors of 21 =

- (i) {1,3,7,21} (ii) {1,3,7,21,22,2} (iii) {3,7,2,22}
(iv) {1,7,21,6} (v) {1,3,7,21,2}
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2. The factors of 20 =

- (i) {1,2,10,20,3,19} (ii) {1,2,4,5,10,20} (iii) {1,2,4,5,10,20,19}
(iv) {1,2,4,10,20,3} (v) {1,2,4,5,10,20,11,6}
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3. The factors of 83 =

- (i) {1,83,82} (ii) {1,83,2,82} (iii) {83,2}
(iv) {82,2} (v) {1,83}
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4. The factors of 8 =

- (i) {1,8,2,9} (ii) {1,2,4,8} (iii) {1,4,8,9}
(iv) {1,2,4,8,3} (v) {1,2,4,8,9,3}
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5. Find all common factors of 41 and 5

- (i) {5} (ii) {1} (iii) {1,5} (iv) {1,41} (v) {41}
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6. Find all common factors of 20, 28 and 32

- (i) {1,2,4,14} (ii) {2,4,20} (iii) {1,2,4,20} (iv) {1,4,14} (v) {1,2,4}
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7. Find all common factors of 41 and 47

- (i) {1,41} (ii) {47} (iii) {1,47} (iv) {41} (v) {1}
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8. Find all common factors of 20, 18 and 39

- (i) {1,4} (ii) {1} (iii) {1,6} (iv) {10} (v) {6}
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9. Find the HCF of {6,12}

(i) 5 (ii) 3 (iii) 6 (iv) 8 (v) 7

10. Find the HCF of {34,33}

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

11. Find the HCF of {6,10,21}

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

12. Find the HCF of {38,44,22,20}

(i) (-1) (ii) 2 (iii) 5 (iv) 3 (v) 1

13. Find the HCF of {180,60}

(i) 57 (ii) 61 (iii) 59 (iv) 62 (v) 60

14. Find the HCF of {420,1380}

(i) 62 (ii) 60 (iii) 57 (iv) 61 (v) 59

15. Find the HCF of {510,105,240}

(i) 15 (ii) 12 (iii) 17 (iv) 14 (v) 16

16. Find the HCF of {48,304,184,176}

(i) 7 (ii) 9 (iii) 10 (iv) 5 (v) 8

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

(i) 23 (ii) 24 (iii) 26 (iv) 21 (v) 25

18. Find the product of LCM and HCF of {16,15}

(i) 240 (ii) 239 (iii) 243 (iv) 241 (v) 237

19. Find the product of LCM and HCF of {27,4,26}

(i) 1407 (ii) 1403 (iii) 1402 (iv) 1405 (v) 1404

20. Find the product of LCM and HCF of {22,12,25,8}

(i) 6602 (ii) 6601 (iii) 6599 (iv) 6598 (v) 6600

21. The simplest form of the fraction $\frac{36}{42}$ is

- (i) $\frac{6}{7}$ (ii) $\frac{2}{3}$ (iii) $\frac{4}{7}$ (iv) $\frac{8}{7}$ (v) $\frac{6}{5}$
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22. Reduce the fraction $\frac{2268}{3402}$

- (i) 2 (ii) $\frac{2}{3}$ (iii) $\frac{4}{3}$ (iv) 0 (v) $\frac{2}{5}$
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Assignment Key

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