EduSahara™ Assignment

Name : Computation

Chapter : Logarithms

Grade : ICSE Grade IX



1. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the characteristic of $log\ 432^3 =$

(i) 6 (ii) 7 (iii) 5 (iv) 10 (v) 8

2. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the characteristic of $log\ 192^{45} =$

(i) 103 (ii) 100 (iii) 101 (iv) 102 (v) 105

3. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the mantissa of $log\ 420^{16} =$

(i) 8.9696 (ii) 1.9696 (iii) 7.9696 (iv) 0.9696 (v) 2.9696

4. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the value of $log\ 800^{38}$ is

(i) 109.3064 (ii) 111.3064 (iii) 108.3064 (iv) 112.3064 (v) 110.3064

5. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the number of digits in the expanded form of $4800^{32}$ is

(i) 115 (ii) 119 (iii) 117 (iv) 121 (v) 118

6. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the value of $log_{210^{42}} 504^2$ is

(i) 7.0554 (ii) 2.0554 (iii) 8.0554 (iv) 1.0554 (v) 0.0554

7. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the value of $log_{10.00} 1.1520$ is

(i) 0.061 (ii) 2.061 (iii) 7.061 (iv) 8.061 (v) 1.061

8. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the value of $log_{10} \frac{1296}{2592}$ is

(i) 0.699 (ii) 7.699 (iii) 6.699 (iv) -0.301 (v) 1.699

9. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the value of $log\ 320^{35}$ is

(i) 89.6715 (ii) 88.6715 (iii) 85.6715 (iv) 87.6715 (v) 86.6715

10. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the number of digits in the expanded form of $4860^5$ is

(i) 16 (ii) 18 (iii) 20 (iv) 19 (v) 22

11. $log_{50^6} 50^{10} =$

(i) 1.6667 (ii) 0.6667 (iii) 9.6667 (iv) 2.6667 (v) 3.6667

12. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log_{560^{31}} 576^8$ is

(i) 7.2592 (ii) 8.2592 (iii) 2.2592 (iv) 1.2592 (v) 0.2592

13. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log_{10.00} 3.3600$ is

(i) 0.526 (ii) 1.526 (iii) 8.526 (iv) 2.526 (v) 7.526

14. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log_{10} \frac{960}{1536}$ is

(i) 6.7959 (ii) 1.7959 (iii) 0.7959 (iv) 7.7959 (v) -0.2041

15. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log\ 810^{93}$ is

(i) 272.4719 (ii) 270.4719 (iii) 269.4719 (iv) 268.4719 (v) 271.4719

16. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the number of digits in the expanded form of $1280^3$ is

(i) 9 (ii) 12 (iii) 11 (iv) 10 (v) 8

17. $log_{49^5} 49^2 =$

(i) 8.4 (ii) 7.4 (iii) 2.4 (iv) 0.4 (v) 1.4

18. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log_{180^{12}} 192$ is

(i) 7.0844 (ii) 2.0844 (iii) 1.0844 (iv) 0.0844 (v) 8.0844

19. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log_{10.00} 3.7800$ is

(i) 7.577 (ii) 1.577 (iii) 0.577 (iv) 8.577 (v) 2.577

20. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log_{10} \frac{1680}{3024}$ is

(i) 6.7447 (ii) 0.7447 (iii) -0.2553 (iv) 1.7447 (v) 7.7447

## Assignment Key

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