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 $log\ 225^{8}$ =

(i) 16 (ii) 20 (iii) 19 (iv) 17 (v) 18

2. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the characteristic of $log\ 450^{39}$ =

(i) 100 (ii) 104 (iii) 103 (iv) 106 (v) 102

3. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the mantissa of $log\ 160^{85}$ =

(i) 2.3315 (ii) 1.3315 (iii) 7.3315 (iv) 8.3315 (v) 0.3315

4. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the value of $log\ 280^{72}$ is

(i) 175.184 (ii) 177.184 (iii) 178.184 (iv) 176.184 (v) 174.184

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 1680^{38} is

(i) 123 (ii) 121 (iii) 125 (iv) 124 (v) 122

6. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the value of $log_{480^{40}} 432^{22}$ is

(i) 8.5406 (ii) 2.5406 (iii) 0.5406 (iv) 1.5406 (v) 7.5406

7. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the value of $log_{10.00} 1.1200$ is

(i) 1.049 (ii) 2.049 (iii) 0.049 (iv) 7.049 (v) 8.049

8. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the value of $log_{10} \frac{1372}{1600}$ is

(i) 6.9335 (ii) 0.9335 (iii) 1.9335 (iv) -0.0665 (v) 7.9335

9. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the value of $log\ 144^{59}$ is

(i) 129.3338 (ii) 128.3338 (iii) 126.3338 (iv) 125.3338 (v) 127.3338

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 4032^{14} is

(i) 51 (ii) 52 (iii) 49 (iv) 50 (v) 53

11. $log_{12^3} 12^{41} =$

(i) 15.6667 (ii) 13.6667 (iii) 12.6667 (iv) 11.6667 (v) 14.6667

12. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the value of $log_{168^{24}} 729^6$ is

(i) 8.3216 (ii) 0.3216 (iii) 2.3216 (iv) 1.3216 (v) 7.3216

13. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the value of $log_{10.00} 1.5360$ is

(i) 7.186 (ii) 0.186 (iii) 1.186 (iv) 2.186 (v) 8.186

14. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the value of $log_{10} \frac{945}{1344}$ is

(i) 1.8471 (ii) -0.1529 (iii) 6.8471 (iv) 7.8471 (v) 0.8471

15. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the value of $log\ 400^{87}$ is

(i) 228.3566 (ii) 226.3566 (iii) 225.3566 (iv) 224.3566 (v) 227.3566

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 2400^{22} is

(i) 72 (ii) 76 (iii) 75 (iv) 74 (v) 78

17. $log_{7^7} 7^{15} =$

(i) 1.1429 (ii) 2.1429 (iii) 0.1429 (iv) 4.1429 (v) 3.1429

18. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the value of $log_{648^{44}} 360^{45}$ is

(i) 8.9299 (ii) 0.9299 (iii) 2.9299 (iv) 7.9299 (v) 1.9299

19. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$
the value of $log_{10.00} 2.8000$ is

(i) 8.447 (ii) 1.447 (iii) 7.447 (iv) 2.447 (v) 0.447

20. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log_{10} \frac{1296}{2160}$ is

(i) 1.7782 (ii) -0.2218 (iii) 6.7782 (iv) 7.7782 (v) 0.7782

Assignment Key

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