

EduSahara™ Learning Center Assignment**Grade : Class IX, ICSE****Chapter : Logarithms****Name : Computation**

If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,

1. the characteristic of $\log 864^8 =$

(i) 23 (ii) 20 (iii) 25 (iv) 24 (v) 22

If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,

2. the characteristic of $\log 432^{79} =$

(i) 210 (ii) 207 (iii) 209 (iv) 205 (v) 208

If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,

3. the mantissa of $\log 392^6 =$

(i) 8.5592 (ii) 2.5592 (iii) 1.5592 (iv) 7.5592 (v) 0.5592

If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,

4. the value of $\log 147^{64}$ is

(i) 140.7072 (ii) 138.7072 (iii) 137.7072

(iv) 139.7072 (v) 136.7072

If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,

5. the number of digits in the expanded form of 4320^{24} is

(i) 85 (ii) 89 (iii) 87 (iv) 90 (v) 88

If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,

6. the value of $\log_{160^{11}} 405^{46}$ is

(i) 4.9473 (ii) 3.9473 (iii) 6.9473 (iv) 2.9473 (v) 5.9473

If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,

7. the value of $\log_{10.00} 1.8900$ is

(i) 7.276 (ii) 8.276 (iii) 0.276 (iv) 2.276 (v) 1.276

If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,

8. the value of $\log_{10} \frac{840}{3024}$ is

(i) 7.4437 (ii) 6.4437 (iii) 0.4437 (iv) 1.4437 (v) -0.5563

If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,

9. the value of $\log 324^{86}$ is

(i) 217.8944 (ii) 214.8944 (iii) 215.8944
(iv) 213.8944 (v) 216.8944

If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,

10. the number of digits in the expanded form of 5040^{11} is

(i) 42 (ii) 41 (iii) 39 (iv) 43 (v) 40

11. $\log_{44^{20}} 44^{41} =$

(i) 0.05 (ii) 1.05 (iii) 3.05 (iv) 2.05 (v) 4.05

If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,

12. the value of $\log_{140^{12}} 480^{24}$ is

(i) 0.4986 (ii) 3.4986 (iii) 2.4986 (iv) 1.4986 (v) 4.4986

If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,

13. the value of $\log_{10.00} 3.1500$ is

(i) 1.498 (ii) 2.498 (iii) 0.498 (iv) 8.498 (v) 7.498

If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,

14. the value of $\log_{10} \frac{1800}{648}$ is

(i) 2.4436 (ii) 8.4436 (iii) 7.4436 (iv) 1.4436 (v) 0.4436

15. If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,
the value of $\log 126^{61}$ is

(i) 130.1183 (ii) 129.1183 (iii) 127.1183

(iv) 128.1183 (v) 126.1183

If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,

16. the number of digits in the expanded form of 1792^{26} is

(i) 82 (ii) 85 (iii) 86 (iv) 84 (v) 87

17. $\log_{36^3} 36^{11} =$

(i) 1.6667 (ii) 5.6667 (iii) 2.6667 (iv) 3.6667 (v) 4.6667

If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,

18. the value of $\log_{135^{12}} 336^{18}$ is

(i) 3.7788 (ii) 2.7788 (iii) 9.7788 (iv) 1.7788 (v) 0.7788

If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,

19. the value of $\log_{10.00} 3.7800$ is

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

If $\log 2 = 0.3010$, $\log 3 = 0.4771$, $\log 5 = 0.6989$, $\log 7 = 0.8451$,

20. the value of $\log_{10} \frac{864}{576}$ is

(i) 1.1761 (ii) 2.1761 (iii) 0.1761 (iv) 8.1761 (v) 7.1761

Assignment Key

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