

# YAKEEN NEET 2.0

**2026**

**Log and Antilog**

**Physical Chemistry**

**One Shot**

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(a)  $\log \geq 1$

(b)  $\log$  upto 4 digits.

$(n-1) \cdot \log \text{ Value}$   
from log  
table.

$n = \text{no. of integers before decimal}$

$\log 76 \Rightarrow n = 2$

$\log 7.6 \Rightarrow n = 1$



log single digit

$\log \underline{x} \Rightarrow \log \text{Value } \underline{x0} \rightarrow 0$

$$\log \underline{2} = 0.3010$$

$n=1$

$$\log 3 = 0.4771$$

$n=1$

$\log \text{Value } 30 \rightarrow 0$

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$$\log \underline{8} = 0.9031$$

$n=1$

$\log \text{Value } 80 \rightarrow 0$

$\log \rightarrow$  double digit

$$\log 78 = 1.8921$$

$$n=2$$

$$\log \underline{91} = 1.9590$$

$$n=2$$

$$\log \text{Value } 91 \rightarrow 0$$

$\log \underline{xy} \rightarrow \log \text{value}$   
 $xy \rightarrow 0$

$$\log \underline{91} = 0.9590$$

$$n=1$$

$$\log \text{Value } 91 \rightarrow 0$$

$\log \rightarrow 3$  digit

$\log xy \geq \Rightarrow \log \text{value } xy \rightarrow 2$

$$\log \frac{847}{n=3} = 2.9279$$

$\log \text{value } 84 \rightarrow 7$

$$\log \underline{8.47} = 0.9279$$

$$n=1$$

$\log \text{value } 84 \rightarrow 7$







$$\log 243.7 = 2.3868$$

$n=3$

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$$\log \underline{1239} = 3.0940$$

$n=4$

$$\log \text{Value } 12 \rightarrow 3 = 0.899$$

$$\underline{\hspace{1cm}} \quad 12 \rightarrow \textcircled{9} = + \frac{31}{0.940}$$

↓  
mean  
difference

log < 1

$$\log mn = \log m + \log n$$

$$\log \frac{m}{n} = \log m - \log n$$

$$\log m^n = n \log m$$

$$\log 1 = 0$$

$$\log 10 = 1$$

$$\log 0.23 =$$

$$= \log 23 \times 10^{-2}$$

$$= \log 23 + \log 10^{-2}$$

$$= 1.3617 - 2 \log 10$$

$$= -0.6383$$



Antilog

antilog

$$= 10$$

Power integer before decimal

$\times$  antilog value  
from antilog  
table & place  
decimal after  
1st integer.


Antilog upto 4 integers after decimal.

Single  
digit  
after  
decimal

$$\text{antilog } a : \underline{x} \Rightarrow \text{antilog} \cdot x0 \rightarrow 0$$

$$\text{Antilog } \underline{2} : 4 = 2.512 \times 10^2$$

$$\text{antilog} \cdot 40 \rightarrow 0$$


$$\text{antilog } \underline{27} \cdot \underline{3} = 1.995 \times 10^{27}$$

$$\text{antilog Value } \underline{30} \rightarrow 0$$

$$\text{antilog } 35 \cdot \underline{2} = 1.585 \times 10^{35}$$

$$\text{antilog Value } \cdot 20 \rightarrow 0$$

double digit after decimal

$$\text{antilog } a \cdot \underline{xy} =$$

$$\text{antilog Value} \cdot xy \rightarrow 0$$

$$\text{antilog } 137.26 = 1.820 \times 10^{137}$$

$$\text{antilog Value} \cdot xy \rightarrow 0$$

$$\text{antilog } \underline{8.63} = 4.266 \times 10^8$$

$$\text{antilog Value} \cdot 63 \rightarrow 0$$





triple digit after decimal

$$\text{antilog } \underline{a} \cdot xyz =$$

$$\text{Antilog Value} \cdot xyz \rightarrow Z$$

$$\text{antilog } \underline{21} \cdot \underline{59} \underline{6} = 3.945 \times 10^{21}$$

$$\text{Antilog Value} \cdot 59 \rightarrow 6$$

Four digits after decimal



antilog  $a \cdot \underline{xyz} \underline{zw}$

antilog value  $\cdot xyz \rightarrow z$   
 $\cdot xy \rightarrow \textcircled{w}$  } add  
 mean difference

$$\text{antilog } \underline{2} \cdot \underline{7213} = 5.264 \times 10^2$$

$$\text{antilog } \cdot 72 \rightarrow 1 = 5260$$

$$\cdot 72 \rightarrow \textcircled{3} = \frac{4}{5264}$$

mean difference

antilog  $\rightarrow$  negative

$$\text{antilog } -2.46 = \overline{3} \cdot 54 = 3.467 \times 10^{-3}$$

$$= -\overset{\checkmark}{2} \boxed{-0.46 + 1} \overset{\checkmark}{-1}$$

$$= -3 + 0.54$$

$$= \overline{3}.54$$







**Thank** *You*