

$$\log_b a = c$$

Logarithm to Exponent

$$b^c = a$$



Chose correct option

1

1. Write equation in exponential form $\log_2 128 = 7$

A $7^2 = 128$

B $2^{128} = 7$

C $2^7 = 128$

D $128^2 = 7$

2

2. Write equation in exponential form $\log_8 64 = 2$

A $64^8 = 2$

B $2^8 = 64$

C $2^{64} = 8$

D $8^2 = 64$

3

3. Write equation in exponential form $\log_3 \frac{1}{27} = -3$

A $3^{-3} = \frac{1}{27}$

B $\frac{1}{27^3} = -3$

C $-3^3 = \frac{1}{27}$

D $\frac{1}{27^{-3}} = 3$

4

4. Write the equation in logarithmic form. $4^4 = 256$

A $\log_4 256 = 4$

B $\log 4 = 256$

C $\log_{256} 4 = 4$

D $\log_4 4 = 256$

5

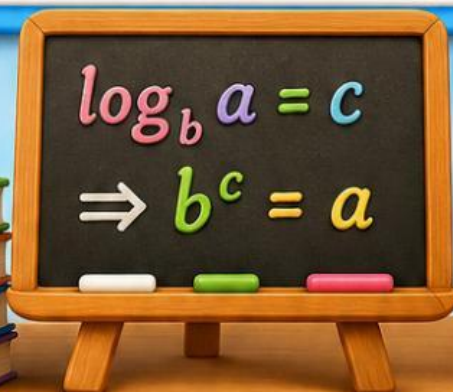
5. Write the equation in logarithmic form. $8^3 = 512$

A $\log_8 512 = 3$

B $\log_3 8 = 512$

C $\log_3 512 = 8$

D $\log_{512} 8 = 3$



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