



Logarithms - Convert Exponent to Logarithm - Fraction Value

1 Convert the given exponent to the equivalent in logarithm form $4^{-3} = \frac{1}{64}$	A $\log_{\frac{1}{64}} 4 = -3$	B $\log_{\frac{1}{64}} -3 = 4$	2 Convert the given exponent to the equivalent in logarithm form $3^{-3} = \frac{1}{27}$	A $\log_{-3} \frac{1}{27} = 3$	B $\log_{-3} 3 = \frac{1}{27}$
	C $\log_4 \frac{1}{64} = -3$			C $\log_3 \frac{1}{27} = -3$	D $\log_{\frac{1}{27}} 3 = -3$
3 Convert the given exponent to the equivalent in logarithm form $2^{-2} = \frac{1}{4}$	A $\log_{\frac{1}{4}} 2 = -2$	B $\log_{-2} \frac{1}{4} = 2$	4 Convert the given exponent to the equivalent in logarithm form $7^{-2} = \frac{1}{49}$	A $\log_{\frac{1}{49}} -2 = 7$	B $\log_7 \frac{1}{49} = -2$
	C $\log_2 \frac{1}{4} = -2$	D $\log_{-2} 2 = \frac{1}{4}$		C $\log_{-2} 7 = \frac{1}{49}$	D $\log_{\frac{1}{49}} 7 = -2$
	E $\log_{\frac{1}{4}} -2 = 2$				
5 Convert the given exponent to the equivalent in logarithm form $2^{-4} = \frac{1}{16}$	A $\log_{-4} \frac{1}{16} = 2$	B $\log_2 \frac{1}{16} = -4$	6 Convert the given exponent to the equivalent in logarithm form $9^{-2} = \frac{1}{81}$	A $\log_{\frac{1}{81}} -2 = 9$	B $\log_{-2} 9 = \frac{1}{81}$
	C $\log_{\frac{1}{16}} 2 = -4$	D $\log_{\frac{1}{16}} -4 = 2$		C $\log_{-2} \frac{1}{81} = 9$	D $\log_9 \frac{1}{81} = -2$
7 Convert the given exponent to the equivalent in logarithm form $3^{-4} = \frac{1}{81}$	A $\log_3 \frac{1}{81} = -4$	B $\log_{-4} \frac{1}{81} = 3$	8 Convert the given exponent to the equivalent in logarithm form $6^{-2} = \frac{1}{36}$	A $\log_{\frac{1}{36}} -2 = 6$	B $\log_{\frac{1}{36}} 6 = -2$
	C $\log_{\frac{1}{81}} -4 = 3$			C $\log_6 \frac{1}{36} = -2$	D $\log_{-2} \frac{1}{36} = 6$