



## Logarithms - Convert Logarithm to Exponent - Fraction Base

<p>1 Convert the given logarithm to the equivalent in exponent form</p> $\log_{\frac{1}{2}} \frac{1}{4} = 2$	<p>A</p> $\frac{1^{\frac{1}{2}}}{4} = 2$	<p>B</p> $\frac{1^2}{4} = \frac{1}{2}$	<p>C</p> $2^{\frac{1}{2}} = \frac{1}{4}$	<p>2 Convert the given logarithm to the equivalent in exponent form</p> $\log_{\frac{1}{9}} \frac{1}{81} = 2$			
	<p>D</p> $\frac{1^2}{2} = \frac{1}{4}$			<p>A</p> $2^{\frac{1}{81}} = \frac{1}{9}$			
				<p>B</p> $\frac{1^2}{81} = \frac{1}{9}$			
				<p>C</p> $2^{\frac{1}{9}} = \frac{1}{81}$			
				<p>D</p> $\frac{1^2}{9} = \frac{1}{81}$			
<p>3 Convert the given logarithm to the equivalent in exponent form</p> $\log_{\frac{1}{6}} \frac{1}{216} = 3$	<p>4 Convert the given logarithm to the equivalent in exponent form</p> $\log_{\frac{1}{6}} \frac{1}{36} = 2$						
<p>A</p> $\frac{1^3}{6} = \frac{1}{216}$	<p>B</p> $\frac{1^{\frac{1}{6}}}{216} = 3$	<p>C</p> $3^{\frac{1}{6}} = \frac{1}{216}$	<p>A</p> $\frac{1^2}{36} = \frac{1}{6}$	<p>B</p> $2^{\frac{1}{36}} = \frac{1}{6}$	<p>C</p> $\frac{1^2}{6} = \frac{1}{36}$	<p>D</p> $\frac{1^{\frac{1}{6}}}{36} = 2$	
<p>5 Convert the given logarithm to the equivalent in exponent form</p> $\log_{\frac{1}{5}} \frac{1}{25} = 2$	<p>6 Convert the given logarithm to the equivalent in exponent form</p> $\log_{\frac{1}{8}} \frac{1}{64} = 2$						
<p>A</p> $2^{\frac{1}{25}} = \frac{1}{5}$	<p>B</p> $\frac{1^2}{5} = \frac{1}{25}$	<p>C</p> $2^{\frac{1}{5}} = \frac{1}{25}$	<p>D</p> $\frac{1^2}{25} = \frac{1}{5}$	<p>A</p> $\frac{1^2}{64} = \frac{1}{8}$	<p>B</p> $2^{\frac{1}{8}} = \frac{1}{64}$	<p>C</p> $\frac{1^2}{8} = \frac{1}{64}$	<p>D</p> $\frac{1^{\frac{1}{8}}}{64} = 2$
<p>7 Convert the given logarithm to the equivalent in exponent form</p> $\log_{\frac{1}{3}} \frac{1}{9} = 2$	<p>A</p> $2^{\frac{1}{9}} = \frac{1}{3}$	<p>B</p> $\frac{1^{\frac{1}{3}}}{9} = 2$	<p>C</p> $\frac{1^2}{3} = \frac{1}{9}$	<p>8 Convert the given logarithm to the equivalent in exponent form</p> $\log_{\frac{1}{2}} \frac{1}{8} = 3$			
	<p>D</p> $\frac{1^2}{9} = \frac{1}{3}$			<p>A</p> $\frac{1^{\frac{1}{2}}}{8} = 3$			
				<p>B</p> $\frac{1^3}{2} = \frac{1}{8}$			
				<p>C</p> $3^{\frac{1}{2}} = \frac{1}{8}$			
				<p>D</p> $3^{\frac{1}{8}} = \frac{1}{2}$			