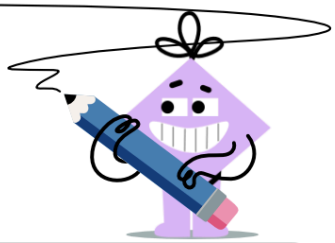
Name

Logarithms - Convert Logarithm to Exponent - From Decimal



1 Convert the given logarithm to the equivalent in exponent form

$$\log_4 16 = 2$$

A $2^4 = 16$	B $4^2 = 16$	C $16^4 = 2$

2 Convert the given logarithm to the equivalent in exponent form

$$\log_8 14,263.1 = 4.6$$

A	$14,263.1^{4.6} = 8$	B	$4.6^{14,263.1} = 8$
C	$14,263.1^{8} = 4.6$	D	$8^{4.6} = 14,263.1$

3 Convert the given logarithm to the equivalent in exponent form

$$\log_7 2,916.77 = 4.1$$

A	$4.1^{7} = 2,916.77$	B	$4.1^{2,916.77} = 7$
C	$2,916.77^{4.1} = 7$	D	$7^{4.1} = 2,916.77$

4 Convert the given logarithm to the equivalent in exponent form

$$\log_8 147.03 = 2.4$$

A	$147.03^{8} = 2.4$	B	$2.4^{8} = 147.03$
C	$2.4^{147.03} = 8$	D	$8^{2.4} = 147.03$

5 Convert the given logarithm to the equivalent in exponent form

$$\log_5 106.42 = 2.9$$

A	$106.42^{5} = 2.9$	B	$2.9^{106.42} = 5$
C	$5^{2.9} = 106.42$	D	$2.9^{5} = 106.42$

6 Convert the given logarithm to the equivalent in exponent form

$$\log_6 5,434.08 = 4.8$$

A	$4.8^{6} = 5,434.08$	B	$6^{4.8} = 5,434.08$
C	$5,434.08^{6} = 4.8$	D	$5,434.08^{4.8} = 6$

7 Convert the given logarithm to the equivalent in exponent form

$$\log_4 24.25 = 2.3$$

A	$2.3^{24.25} = 4$	B	$4^{2.3} = 24.25$
C	$24.25^{2.3} = 4$	D	$2.3^{4} = 24.25$
E	$24.25^{4} = 2.3$		

8 Convert the given logarithm to the equivalent in exponent form

$$\log_9 47,401.09 = 4.9$$

A	$9^{4.9} = 47,401.09$	B	$4.9^{47,401.09} = 9$
C	$47,401.09^{4.9} = 9$	D	$47,401.09^{9} = 4.9$