



Logarithms - Convert Logarithm to Exponent - Integer Base

1 Convert the given logarithm to the equivalent in exponent form

$$\log_3 27 = 3$$

A	B	C
$3^3 = 27$	$27^3 = 3$	$3^{27} = 3$

2 Convert the given logarithm to the equivalent in exponent form

$$\log_6 36 = 2$$

A	B	C	D
$2^6 = 36$	$36^6 = 2$	$2^{36} = 6$	$6^2 = 36$

3 Convert the given logarithm to the equivalent in exponent form

$$\log_9 81 = 2$$

A	B	C	D
$81^9 = 2$	$9^2 = 81$	$2^{81} = 9$	$81^2 = 9$

4 Convert the given logarithm to the equivalent in exponent form

$$\log_4 64 = 3$$

A	B	C	D
$3^{64} = 4$	$3^4 = 64$	$64^4 = 3$	$4^3 = 64$

5 Convert the given logarithm to the equivalent in exponent form

$$\log_{10} 10,000 = 4$$

A	B
$4^{10,000} = 10$	$10,000^4 = 10$
C	D
$10,000^{10} = 4$	$10^4 = 10,000$
E	
$4^{10} = 10,000$	

6 Convert the given logarithm to the equivalent in exponent form

$$\log_8 64 = 2$$

A	B	C	D
$64^8 = 2$	$2^8 = 64$	$8^2 = 64$	$2^{64} = 8$

7 Convert the given logarithm to the equivalent in exponent form

$$\log_7 49 = 2$$

A	B	C	D
$49^2 = 7$	$2^7 = 49$	$2^{49} = 7$	$7^2 = 49$

8 Convert the given logarithm to the equivalent in exponent form

$$\log_2 16 = 4$$

A	B	C	D
$2^4 = 16$	$16^4 = 2$	$4^{16} = 2$	$16^2 = 4$