$\log_2 1 = 0$	$\log_2 2 = 1$	$\log_2 4 = 2$
$\log_2 8 = 3$	$\log_2 16 = 4$	$\log_3 1 = 0$
$\log_3 3 = 1$	$\log_3 9 = 2$	$\log_3 27 = 3$
$\log_4 1 = 0$	$\log_4 4 = 1$	$\log_4 2 = \dfrac{1}{2}$
$\log_4 16 = 2$	$\log_9 3 = \dfrac{1}{2}$	$\log_{16} 4 = \dfrac{1}{2}$
$\log_8 2 = \dfrac{1}{3}$	$\log_{27} 3 = \dfrac{1}{3}$	$\log_{25} 5 = \dfrac{1}{2}$
$\log_5 25 = 2$	$\log_5 5 = 1$	$\log_6 36 = 2$

$\log_2 1 = ?$	$\log_2 2 = ?$	$\log_2 4 = ?$
$\log_2 8 = ?$	$\log_2 16 = ?$	$\log_3 1 = ?$
$\log_3 3 = ?$	$\log_3 9 = ?$	$\log_3 27 = ?$
$\log_4 1 = ?$	$\log_4 4 = ?$	$\log_4 2 = ?$
$\log_4 16 = ?$	$\log_9 3 = ?$	$\log_{16} 4 = ?$
$\log_8 2 = ?$	$\log_{27} 3 = ?$	$\log_{25} 5 = ?$
$\log_5 25 = ?$	$\log_5 5 = ?$	$\log_6 36 = ?$

$2^2 = 4$	$2^1 = 2$	$2^0 = 1$
$3^0 = 1$	$2^4 = 16$	$2^3 = 8$
$3^3 = 27$	$3^2 = 9$	$3^1 = 3$
$4^{1/2} = 2$	$4^1 = 4$	$4^0 = 1$
$16^{1/2} = 4$	$9^{1/2} = 3$	$4^2 = 16$
$25^{1/2} = 5$	$27^{1/3} = 3$	$8^{1/3} = 2$
$6^2 = 36$	$5^1 = 5$	$5^2 = 25$

2	1	0
0	4	3
3	2	1
$\frac{1}{2}$	1	0
$\frac{1}{2}$	$\frac{1}{2}$	2
$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{3}$
2	1	2