

ricava il valore della x applicando la definizione di logaritmo

1	$\log_2 8 = x$	$x = 3$
2	$\log_{10} 1 = x$	$x = 0$
3	$\log_4 16 = x$	$x = 2$
4	$\log_{\frac{1}{3}} \frac{1}{9} = x$	$x = 2$
5	$\log_5 25 = x$	$x = 2$
6	$\log_3 \sqrt{27} = x$	$x = \frac{3}{2}$
7	$\log_8 \sqrt[4]{2} = x$	$x = \frac{1}{12}$
8	$\log_3 9 = x$	$x = 2$
9	$\log_{0,5} 8 = x$	$x = -3$
10	$\log_4 8^2 = x$	$x = 3$
11	$\log_e 1 = x$	$x = 0$
12	$\log_{0,25} \frac{1}{16} = x$	$x = 2$
13	$\log_7 \sqrt{7} = x$	$x = \frac{1}{2}$
14	$\log_5 \sqrt[3]{625} = x$	$x = \frac{4}{3}$
15	$\log_1 100 = x$	<i>impossibile</i>
16	$\log_2 \frac{1}{2} = x$	$x = -1$
17	$\log_{\frac{1}{2}} 256 = x$	$x = -8$
18	$\log_x 8 = 3$	$x = 2$
19	$\log_x 25 = 2$	$x = 5$
20	$\log_x 16 = 2$	$x = 4$

21	$\log_x 5 = -\frac{1}{3}$	$x = \frac{1}{125}$
22	$\log_x \frac{1}{9} = 2$	$x = \frac{1}{3}$
23	$\log_x 0,0081 = 4$	$x = 0,3$
24	$\log_x 4 = 3$	$x = \sqrt[3]{4}$
25	$\log_x 20 = \frac{1}{2}$	$x = 400$
26	$\log_x 225 = 2$	$x = 15$
27	$\log_x 27 = -3$	$x = \frac{1}{3}$
28	$\log_x 625 = 4$	$x = 5$
29	$\log_x 1 = 3$	<i>impossibile</i>
30	$\log_x 3 = -1$	$x = \frac{1}{3}$
31	$\log_x 5 = 6$	$x = \sqrt[6]{5}$
32	$\log_x 15 = 3$	$x = \sqrt[3]{15}$
33	$\log_x 196 = 2$	$x = 14$
34	$\log_2 x = 3$	$x = 8$
35	$\log_{\frac{1}{2}} x = 4$	$x = \frac{1}{16}$
36	$\log_{\frac{1}{3}} x = 2$	$x = \frac{1}{9}$
37	$\log_{10} x = 1$	$x = 10$
38	$\log_4 x = 2$	$x = 16$
39	$\log_{0,1} x = 3$	$x = 0,001$
40	$\log_5 x = 2$	$x = 25$

41	$\log_{\frac{1}{3}} x = -2$	$x = 9$
42	$\log_4 x = 2$	$x = 16$

esercizi di riepilogo

43	$\log_x 64 = 2$	$x = 8$
44	$\log_{\frac{1}{2}} 2 = x$	$x = -1$
45	$\log_x \frac{1}{25} = -2$	$x = 5$
46	$\log_3 1 = x$	$x = 0$
47	$\log_{\sqrt{2}} x = 2$	$x = 2$
48	$\log_8 32 = x$	$x = \frac{5}{3}$
49	$\log_x \frac{16}{81} = 4$	$x = \frac{2}{3}$
50	$\log_{0,2} x = 4$	$x = \frac{1}{625}$
51	$\log_7 x = -2$	$x = \frac{1}{49}$
52	$\log_x \frac{1}{625} = 4$	$x = \frac{1}{5}$
53	$\log_{0,5} x = \frac{3}{4}$	$x = \sqrt[4]{\frac{1}{8}}$
54	$\log_2 \frac{25}{4} = x$	$x = -2$
55	$\log_{\frac{1}{9}} 3 = x$	$x = -\frac{1}{2}$
56	$\log_x \sqrt[5]{16} = \frac{4}{5}$	$x = 2$
57	$\log_{\frac{1}{2}} 32 = x$	$x = -5$
58	$\log_x 16 = -4$	$x = \frac{1}{2}$
59	$\log_{36} 6 = x$	$x = \frac{1}{2}$
60	$\log_3 27 = x$	$x = 3$