

Math worksheet on 'Logarithms - Solve Log Equation (Fraction Base) (Level 1)'. Part of a broader unit on 'Logarithms - Intro'

Learn online: app.mobius.academy/math/units/logarithms intro/

Solve the following logarithm
1

$$\log_{rac{1}{10}}rac{1}{1,000}=x$$

$\mathbf{a} \qquad \qquad \chi = 9 \qquad \qquad \mathbf{b}$	x = -5
--	--------

c
$$x = 2$$
 d $x = 3$

e
$$x = -6$$
 f $x = 8$

Solve the following logarithm

 $\log_{rac{1}{4}}rac{1}{64}=x$

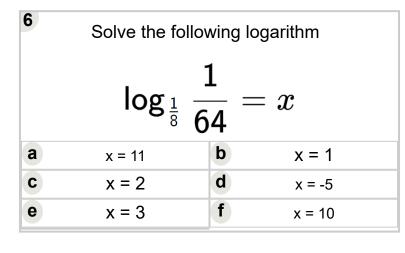
2	Solve the following logarithm			
	$\log_{rac{1}{10}} rac{1}{1}$	1 0, 000	=x	
а	x = 4	b	x = 1	
			_	

a	x = 4	b	x = 1	а	x = 6	b	x = -2
C	x = 13	d	x = 5	C	x = -4	d	x = 3
е	x = 9	f	x = -1	е	x = 11	f	x = 9

3

Solve the following logarithm $\log_{rac{1}{6}} rac{1}{216} = x$				
a	x = -1	b	x = 3	
C	x = -5	d	x = 4	
е	x = -4	f	x = 1	

Solve the following logarithm			
$\log_{rac{1}{2}}rac{1}{16}=x$			
а	x = 13	b	x = -2
C	x = 1	d	x = -5
е	x = 4	f	x = -6



7	Solve the following logarithm		
$\log_{rac{1}{5}}rac{1}{25}=x$			
а	x = -1	b	x = 4
C	x = 2	d	x = -2
е	x = -7	f	x = 6