



Logarithms - Solve Exponent Equation (Fraction Base)



1 Solve for the missing exponent

$$\frac{1^x}{8} = \frac{1}{64}$$

A $x = 0$	B $x = -3$
C $x = -4$	D $x = 5$
E $x = -1$	F $x = 2$

2 Solve for the missing exponent

$$\frac{1^x}{10} = \frac{1}{10,000}$$

A $x = 6$	B $x = 7$
C $x = 5$	D $x = 4$
E $x = -2$	F $x = 1$

3 Solve for the missing exponent

$$\frac{1^x}{3} = \frac{1}{9}$$

A $x = 0$	B $x = -1$
C $x = 2$	D $x = 7$
E $x = 10$	F $x = -5$

4 Solve for the missing exponent

$$\frac{1^x}{10} = \frac{1}{100,000}$$

A $x = -3$	B $x = 5$
C $x = -4$	D $x = -1$
E $x = 14$	F $x = 10$

5 Solve for the missing exponent

$$\frac{1^x}{6} = \frac{1}{36}$$

A $x = 4$	B $x = -7$
C $x = 2$	D $x = -4$
E $x = 7$	F $x = 3$

6 Solve for the missing exponent

$$\frac{1^x}{2} = \frac{1}{16}$$

A $x = 3$	B $x = 13$
C $x = 4$	D $x = -1$
E $x = -5$	F $x = 9$

7 Solve for the missing exponent

$$\frac{1^x}{4} = \frac{1}{64}$$

A $x = 6$	B $x = 5$
C $x = 12$	D $x = 3$
E $x = 0$	F $x = 7$

8 Solve for the missing exponent

$$\frac{1^x}{5} = \frac{1}{25}$$

A $x = 6$	B $x = -5$
C $x = 2$	D $x = 4$
E $x = -1$	F $x = 5$