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

1

Solve the following logarithm

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

a	x = 9	b	x = -5
c	x = 2	d	x = 3
e	x = -6	f	x = 8

2

Solve the following logarithm

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

a	x = 4	b	x = 1
c	x = 13	d	x = 5
e	x = 9	f	x = -1

3

Solve the following logarithm

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

a	x = 6	b	x = -2
c	x = -4	d	x = 3
e	x = 11	f	x = 9

4

Solve the following logarithm

$$\log_{\frac{1}{6}} \frac{1}{216} = x$$

a	x = -1	b	x = 3
c	x = -5	d	x = 4
e	x = -4	f	x = 1

5

Solve the following logarithm

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

a	x = 13	b	x = -2
c	x = 1	d	x = -5
e	x = 4	f	x = -6

6

Solve the following logarithm

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

a	x = 11	b	x = 1
c	x = 2	d	x = -5
e	x = 3	f	x = 10

7

Solve the following logarithm

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

a	x = -1	b	x = 4
c	x = 2	d	x = -2
e	x = -7	f	x = 6