



Logarithms - Change of Base - Fraction to Single (Variables)



1

$$\frac{\log_x y}{\log_x q}$$

Convert the given logarithm fraction to its simplified form with a change of base

$$\log_x q$$

A	B
$\log_q y$	$\log_y q$

2

$$\frac{\log_y n}{\log_y m}$$

Convert the given logarithm fraction to its simplified form with a change of base

$$\log_y m$$

A	B
$\log_n m$	$\log_m n$

3

$$\frac{\log_x w}{\log_x z}$$

Convert the given logarithm fraction to its simplified form with a change of base

$$\log_x z$$

A	B
$\log_w z$	$\log_z w$

4

$$\frac{\log_y z}{\log_y p}$$

Convert the given logarithm fraction to its simplified form with a change of base

$$\log_y p$$

A	B
$\log_p z$	$\log_z p$

5

$$\frac{\log_r z}{\log_r x}$$

Convert the given logarithm fraction to its simplified form with a change of base

$$\log_r x$$

A	B
$\log_z x$	$\log_x z$

6

$$\frac{\log_m x}{\log_m p}$$

Convert the given logarithm fraction to its simplified form with a change of base

$$\log_m p$$

A	B
$\log_p x$	$\log_x p$

7

$$\frac{\log_y r}{\log_y z}$$

Convert the given logarithm fraction to its simplified form with a change of base

$$\log_y z$$

A	B
$\log_z r$	$\log_r z$

8

$$\frac{\log_m n}{\log_m r}$$

Convert the given logarithm fraction to its simplified form with a change of base

$$\log_m r$$

A	B
$\log_n r$	$\log_r n$