Name

Logarithms - Quotient Property - Division as Decimal To Difference

1 Convert the given logarithm to its equivalent based on the quotient property

$\log_2 1.2$

A $\log_4 6 - \log_4 5$

B $\log_6 2 - \log_6 5$

C $\log_2 6 - \log_2 5$

D $\log_1 6 - \log_1 5$

2 Convert the given logarithm to its equivalent based on the quotient property

$\log_{10} 0.57$

A $\log_{10} 4 - \log_{10} 7$

B $\log_{10} 7 - \log_{10} 4$

C $\log_{12} 4 - \log_{12} 7$

D $\log_4 10 - \log_4 7$

3 Convert the given logarithm to its equivalent based on the quotient property

$\log_{10} 4.5$

A $\log_{10} 9 - \log_{10} 2$

B $\log_9 9 - \log_9 2$

C $\log_9 2 - \log_9 10$

4 Convert the given logarithm to its equivalent based on the quotient property

$\log_3 1.6$

A $\log_8 3 - \log_8 5$

B $\log_3 8 - \log_3 5$

C $\log_2 8 - \log_2 5$

D $\log_5 8 - \log_5 5$

5 Convert the given logarithm to its equivalent based on the quotient property

$\log_{10} 1.6$

A $\log_{10} 8 - \log_{10} 5$

B $\log_{10} 5 - \log_{10} 8$

C $\log_{11} 8 - \log_{11} 5$

D $\log_8 8 - \log_8 5$

6 Convert the given logarithm to its equivalent based on the quotient property

$\log_9 5$

A $\log_8 10 - \log_8 2$

B $\log_9 10 - \log_9 2$

C $\log_{10} 2 - \log_{10} 9$

D $\log_9 2 - \log_9 10$

7 Convert the given logarithm to its equivalent based on the quotient property

$\log_{10} 1.33$

A $\log_{10} 4 - \log_{10} 3$

B $\log_{11} 4 - \log_{11} 3$

C $\log_4 3 - \log_4 10$

D $\log_{10} 3 - \log_{10} 4$

8 Convert the given logarithm to its equivalent based on the quotient property

$\log_9 0.63$

A $\log_9 5 - \log_9 8$

B $\log_8 5 - \log_8 8$

C $\log_{11} 5 - \log_{11} 8$

D $\log_5 9 - \log_5 8$

E $\log_{10} 5 - \log_{10} 8$