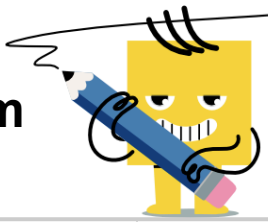
Name

Logarithms - Product Property - To Sum



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

$\log_3 45$

A $\log_5 9 + \log_5 3$

B $\log_3 9 + \log_3 12$

C $\log_3 8 + \log_3 13$

D $\log_3 9 + \log_3 5$

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

$\log_9 36$

A $\log_9 11 + \log_9 7$

B $\log_9 12 + \log_9 8$

C $\log_9 11 + \log_9 6$

D $\log_9 11 + \log_9 8$

E $\log_9 4 + \log_9 9$

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

$\log_7 32$

A $\log_8 4 + \log_8 7$

B $\log_4 8 + \log_4 7$

C $\log_7 8 + \log_7 4$

D $\log_8 7 + \log_8 4$

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

$\log_5 8$

A $\log_5 4 + \log_5 2$

B $\log_5 4 + \log_5 8$

C $\log_2 4 + \log_2 5$

D $\log_5 4 + \log_5 7$

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

$\log_7 15$

A $\log_7 5 + \log_7 9$

B $\log_5 7 + \log_5 3$

C $\log_7 7 + \log_7 9$

D $\log_7 5 + \log_7 3$

E $\log_3 5 + \log_3 7$

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

$\log_5 21$

A $\log_5 7 + \log_5 3$

B $\log_7 5 + \log_7 3$

C $\log_5 7 + \log_5 10$

D $\log_3 7 + \log_3 5$

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

$\log_6 18$

A $\log_6 6 + \log_6 3$

B $\log_3 6 + \log_3 6$

C $\log_6 3 + \log_6 6$

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

$\log_4 80$

A $\log_4 10 + \log_4 12$

B $\log_4 10 + \log_4 8$

C $\log_{10} 8 + \log_{10} 4$

D $\log_{10} 4 + \log_{10} 8$