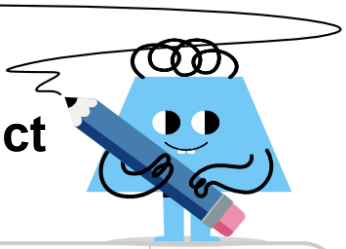
Name

Logarithms - Product Property - Product as Integer To Sum



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

$\log_7 10$

A $\log_7 7 + \log_7 6$

B $\log_2 5 + \log_2 7$

C $\log_7 9 + \log_7 6$

D $\log_7 2 + \log_7 5$

E $\log_5 2 + \log_5 7$

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

$\log_7 72$

A $\log_8 9 + \log_8 7$

B $\log_7 11 + \log_7 10$

C $\log_7 8 + \log_7 9$

D $\log_8 7 + \log_8 9$

E $\log_7 11 + \log_7 12$

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

$\log_8 20$

A $\log_5 4 + \log_5 8$

B $\log_8 7 + \log_8 6$

C $\log_8 4 + \log_8 5$

D $\log_4 5 + \log_4 8$

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

$\log_5 24$

A $\log_5 6 + \log_5 4$

B $\log_6 5 + \log_6 4$

C $\log_5 6 + \log_5 10$

D $\log_5 6 + \log_5 8$

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

$\log_6 20$

A $\log_6 4 + \log_6 13$

B $\log_{10} 2 + \log_{10} 6$

C $\log_{10} 6 + \log_{10} 2$

D $\log_6 6 + \log_6 13$

E $\log_6 10 + \log_6 2$

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

$\log_9 15$

A $\log_5 3 + \log_5 9$

B $\log_9 3 + \log_9 5$

C $\log_3 5 + \log_3 9$

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

$\log_7 32$

A $\log_4 7 + \log_4 8$

B $\log_4 8 + \log_4 7$

C $\log_7 4 + \log_7 8$

D $\log_8 4 + \log_8 7$

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

$\log_{10} 42$

A $\log_6 7 + \log_6 10$

B $\log_{10} 10 + \log_{10} 11$

C $\log_{10} 7 + \log_{10} 6$

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

E $\log_7 10 + \log_7 6$