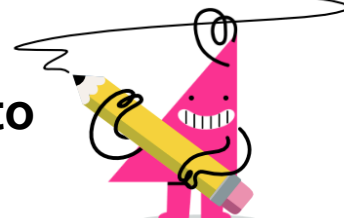




Logarithms - Product Property - Sum to Product (Integer Multiplication)



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

$$\log_9 2 + \log_9 8$$

A $\log_8(9 \cdot 2)$

B $\log_9 \frac{2}{8}$

C $\log_9(2 \cdot 8)$

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

$$\log_3 2 + \log_3 4$$

A $\log_3 \frac{2}{4}$

B $\log_4(3 \cdot 2)$

C $\log_3(2 \cdot 4)$

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

$$\log_4 9 + \log_4 2$$

A $\log_4(9 \cdot 2)$

B $\log_4 \frac{9}{2}$

C $\log_2(4 \cdot 9)$

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

$$\log_3 5 + \log_3 8$$

A $\log_3 \frac{5}{8}$

B $\log_8(3 \cdot 5)$

C $\log_3(5 \cdot 8)$

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

$$\log_{10} 4 + \log_{10} 9$$

A $\log_9(10 \cdot 4)$

B $\log_{10}(4 \cdot 9)$

C $\log_{10} \frac{4}{9}$

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

$$\log_8 9 + \log_8 3$$

A $\log_8 \frac{9}{3}$

B $\log_8(9 \cdot 3)$

C $\log_3(8 \cdot 9)$

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

$$\log_3 7 + \log_3 6$$

A $\log_3(7 \cdot 6)$

B $\log_3 \frac{7}{6}$

C $\log_6(3 \cdot 7)$

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

$$\log_7 5 + \log_7 8$$

A $\log_7(5 \cdot 8)$

B $\log_7 \frac{5}{8}$

C $\log_8(7 \cdot 5)$