Name

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	$\log_8(7 \cdot 5)$		