Logarithms - Power Property - Power To Product (Integers)

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

$$\log_8 16$$

A	B	C
$4 \log_8 2$	$8 \log_2 4$	$2 \log_8 4$
D		
$2 \log_4 8$		

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

$$\log_7 81$$

A	B	C
$2 \log_9 7$	$7 \log_2 9$	$2 \log_7 9$
D		
$7 \log_9 2$		

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

$$\log_{10} 49$$

A	B
$2 \log_7 10$	$10 \log_2 7$
C	
$2 \log_{10} 7$	

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

$$\log_5 64$$

A	B	C
$3 \log_4 5$	$3 \log_5 4$	$4 \log_5 3$
D		
$5 \log_3 4$		

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

$$\log_8 36$$

A	B	C
$2 \log_8 6$	$8 \log_2 6$	$8 \log_6 2$
D		
$6 \log_8 2$		

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

$$\log_8 49$$

A	B	C
$7 \log_8 2$	$2 \log_8 7$	$8 \log_2 7$
D		
$8 \log_7 2$		

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

$$\log_{10} 125$$

A		B	
$3 \log_{10} 5$		$10 \log_3 5$	
C		D	
$5 \log_{10} 3$		$3 \log_5 10$	

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

$$\log_5 8$$

A	B	C
$3 \log_5 2$	$3 \log_2 5$	$5 \log_3 2$
D		
$2 \log_5 3$		

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