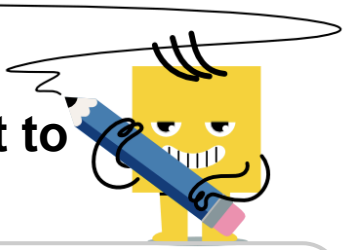
Name

Logarithms - Power Property - Product to Power (Integers)



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

$2 \log_{10} 4$

A $\log_{10} 15$

B $\log_{10} 17$

C $\log_{16} 10$

D $\log_{10} 16$

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

$2 \log_{8} 12$

A $\log_{6} 144$

B $\log_{8} 145$

C $\log_{8} 142$

D $\log_{8} 143$

E $\log_{8} 144$

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

$2 \log_{8} 11$

A $\log_{7} 121$

B $\log_{8} 120$

C $\log_{8} 121$

D $\log_{121} 8$

E $\log_{9} 121$

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

$2 \log_{9} 3$

A $\log_{7} 9$

B $\log_{11} 9$

C $\log_{9} 7$

D $\log_{9} 9$

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

$2 \log_{6} 9$

A $\log_{6} 83$

B $\log_{7} 81$

C $\log_{6} 81$

D $\log_{6} 82$

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

$2 \log_{4} 12$

A $\log_{4} 144$

B $\log_{6} 144$

C $\log_{4} 142$

D $\log_{144} 4$

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

$4 \log_{9} 2$

A $\log_{9} 16$

B $\log_{10} 16$

C $\log_{16} 9$

D $\log_{9} 17$

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

$2 \log_{5} 8$

A $\log_{5} 65$

B $\log_{64} 5$

C $\log_{5} 64$

D $\log_{5} 62$

E $\log_{7} 64$