Mobius Math Club Name:_____

Math worksheet on *'Logarithms - Meaning, Words to Equation as Values (Decimals) (Level 1)'*. Part of a broader unit on *'Logarithms - Intro'*

Learn online: app.mobius.academy/math/units/logarithms_intro/

1

Which logarithm equation shows this?

To result in 142, you would raise 5 to the power of 3

a $\log_5 142 = 3.08$	**b** $\log_{142} 3.08 = 5$
c $\log_{3.08} 142 = 5$	**d** $\log_{142} 5 = 3.08$

2

Which logarithm equation shows this?

To result in 481, you would raise 10 to the power of 3

a $\log_{2.68} 481 = 10$	**b** $\log_{2.68} 10 = 481$
c $\log_{10} 481 = 2.68$	**d** $\log_{481} 10 = 2.68$

3

Which logarithm equation shows this?

To result in 496, you would raise 9 to the power of 3

a $\log_9 496 = 2.82$	**b** $\log_{496} 9 = 2.82$
c $\log_{2.82} 9 = 496$	**d** $\log_{496} 2.82 = 9$

4

Which logarithm equation shows this?

To result in 227, you would raise 4 to the power of 4

a $\log_{227} 3.91 = 4$	**b** $\log_{3.91} 227 = 4$
c $\log_{227} 4 = 3.91$	**d** $\log_{3.91} 4 = 227$
e $\log_4 227 = 3.91$	

5

Which logarithm equation shows this?

To result in 157, you would raise 10 to the power of 2

a $\log_{10} 157 = 2.2$	**b** $\log_{157} 2.2 = 10$
c $\log_{2.2} 10 = 157$	**d** $\log_{157} 10 = 2.2$

6

Which logarithm equation shows this?

To result in 139, you would raise 10 to the power of 2

a $\log_{2.14} 139 = 10$	**b** $\log_{10} 139 = 2.14$
c $\log_{2.14} 10 = 139$	**d** $\log_{139} 10 = 2.14$

7

Which logarithm equation shows this?

To result in 279, you would raise 5 to the power of 3

a $\log_{3.5} 5 = 279$	**b** $\log_5 279 = 3.5$
c $\log_{279} 3.5 = 5$	