

Making Sense of Log Properties

1. If $x = 10^n$ and $y = 10^m$, then what is true?
 - a. $x + y = 10^n 10^m$
 - b. $x \cdot y = 100$
 - c. $x \cdot y = 10^{n+m}$
 - d. $x \cdot y = 10^n + 10$
2. When you multiply numbers with exponents, what can you always do with the exponents?
 - a. You add the exponents
 - b. You multiply the exponents
 - c. You divide the exponents
 - d. None of the above
3. When you take the log of a product, what do you do to the logs?
 - a. You divide the logs
 - b. You multiply the logs
 - c. You add the logs
 - d. You subtract the logs