



Puzzle Time

What Type Of Amphibian Loves To Tell Jokes?

Write the letter of each answer in the box containing the exercise number.

Match the expression with the logarithm that has the same value.

1. $\log_2 6 + \log_2 8$
2. $\log_3 10 - \log_3 5$
3. $4 \log_{1/2} 2$
4. $\log_2 2 - \log_2 3$
5. $\log_3 4 + \log_3 2$
6. $6 \log 8$

Condense the logarithmic expression.

7. $4 \log 2 - \log 5$
8. $\log 6 + \log 2 - \log 7$
9. $\frac{1}{2} \log 4 + \log 3$
10. $3 \log 2 - 2 \log 2$
11. $1 - \log 4$
12. $\ln 3 + 4 \ln x - \ln y$

Answers

- I. $\log_{1/2} 16$
- A. $\log_2 48$
- M. $\log \frac{16}{5}$
- Y. $\log(8^6)$
- E. $\log \frac{5}{2}$
- S. $\log_3 2$
- N. $\log 6$
- L. $\log_2 \frac{2}{3}$
- L. $\log_3 8$
- A. $\log \frac{12}{7}$
- D. $\log 2$
- R. $\ln \frac{3x^4}{y}$

1		2	3	4	5	6	7	8	9	10	11	12
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