

Name _____

Date _____

Express as a Single Logarithm - Matching Worksheet

Match the word problems to their suitable answers. Write the letter of the respective answer, that matches the problem, in the given space.

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|-------|--|----------------|
| _____ | 1. Express as a single logarithm $\log 14 - \log 10$ | a. $\log 42$ |
| _____ | 2. Express as a single logarithm $\log 8 + \log 9$ | b. $\log 72$ |
| _____ | 3. Express as a single logarithm $\log 11 - \log 5$ | c. $\log 1.63$ |
| _____ | 4. Express as a single logarithm $\log 7 + \log 6$ | d. $\log 2.14$ |
| _____ | 5. Express as a single logarithm $\log 15 - \log 7$ | e. $\log 4$ |
| _____ | 6. Express as a single logarithm $\log 4 + \log 8$ | f. $\log 1.4$ |
| _____ | 7. Express as a single logarithm $\log 8 - \log 2$ | g. $\log 20$ |
| _____ | 8. Express as a single logarithm $\log 2 + \log 10$ | h. $\log 10$ |
| _____ | 9. Express as a single logarithm $\log 13 - \log 8$ | i. $\log 2.2$ |
| _____ | 10. Express as a single logarithm $\log 10 + \log 1$ | j. $\log 32$ |

