Jabberwocky Group Challenge Exercise

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| **PURPOSE** | | This exercise is to reinforce the concept that problems are set up based on UNITS. | | |
| **INSTRUCTIONS** | | * You do not need to know what the units are if you can figure out how to set up a dimensional analysis problem! * Work as a group to solve the following problem. * **You must show all work to receive credit!** | | |
| **CONVERSION FACTORS** | | | There are 2 mome raths per Jabberwock. | |
| There are 20 tumtum trees in the tulgey wood | | | There are 2 Jubjub birds in 200 tumtum trees. | |
| In each tulgey wood is one frumious Bandersnatch. | | | There are 200 mome raths in each borogove. | |
| There are 5 slithy toves in 2 borogoves. | | | There are 5 Jubjub birds per slithy tove. | |
| **QUESTION** | If there are 5 frumious Bandersnatches, how many Jabberwocks are there?  *HINT: First find your known, your unknown, and your conversion factors!* | | | |
| **KNOWN VALUE** |  | | **UNKNOWN UNIT** |  |
| **WRITE ALL THE CONVERSION FACTORS LISTED ABOVE AS FRACTIONS** | | | | |
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| **SETUP, UNIT CANCELING, & ANSWER** | | | | |
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| **After you finish the Jabberwocky problem, try this one.** Show your work **just like you did on the Jabberwocky problem!** List known, unknown, conversion factors, setup, unit canceling, and your final answer. | | | | |
| A spaceship from another planet travels at a speed of 4.27 googs per mulm. There are 256 googs in a plotz and 12.3 plotz in a wraslm. If 3.4 tpocks equal one mulm, what is the ship’s speed in wraslm per tpock? | | | | |