

Multiplying Decimals Worksheet

This worksheet is intended for use with the lesson [Multiplying Decimals and Mixed Numbers](#).

Please answer the following questions, showing your work where appropriate. Good luck!

1. Choose a whole number to be your starting number: _____
2. Choose a decimal to multiply the number in #1 by: _____
3. Will the product (multiplication) of the numbers you chose be larger or smaller than the starting number? _____
4. What is the product when the two are multiplied? _____
What is the difference between this product and the starting number?
Please show your work.
5. What will happen if you multiply the result in #4 by the decimal you chose in #2?
Will the result be larger or smaller than the starting number? than the result in #4?
Please explain and show work that supports your conjecture:
6. What is the ratio of the starting number and the result in #4? _____
What is the ratio of the result in #4 and the result in #5? _____
How do the two ratios compare? Please show your work:

