

Whole and Decimal Number Operations

1. For addition and subtraction always line up your decimal points before performing the operation. If you are adding and subtracting whole numbers you can consider the decimal point to be on the right side of the whole number.
2. If you are multiplying whole numbers the result will be a whole number.
3. If you are multiplying numbers involving decimals, you can multiply the numbers exactly like you would if the numbers were whole numbers. Then, you need to determine where to place the decimal point in your result. To do this, count the number of decimal places to the right of the decimal point in each of the numbers being multiplied. The sum of these two counts is the number of decimal places you will have to the right of the decimal point in your answer.
4. When dividing numbers involving decimals, the decimal point of the divisor has to be moved to the right side of all the digits in the divisor. If the decimal point of the divisor is moved, the decimal point of the dividend must be moved to the right the same number of places that the divisor decimal point was moved. You can then proceed to perform the division.