Thank you for previewing my Multiplying Decimals: Traditional and Lattice Method Algorithms Math Practice Guide. This guide includes ten pages that provide your students with guided examples and extra practice in multiplying decimals. There are four study guide sheets, two practice sheets (2 exercises to a sheet), and two pages of blank lattice grids. The study guides cover the traditional and Lattice Method algorithms. It is perfect for use in fourth, fifth, or sixth grade. You can use the guide as a supplement to your math program and a review for your students. Thank you again for previewing the Multiplying Decimals: Traditional and Lattice Method Algorithms Math Practice Guide.

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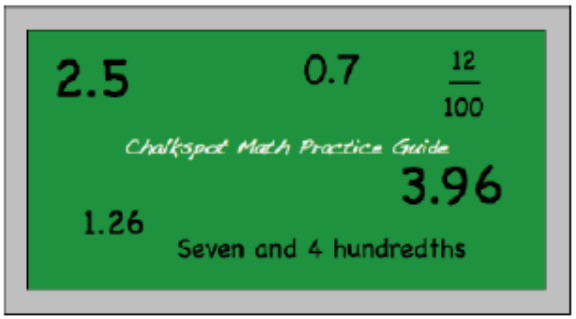
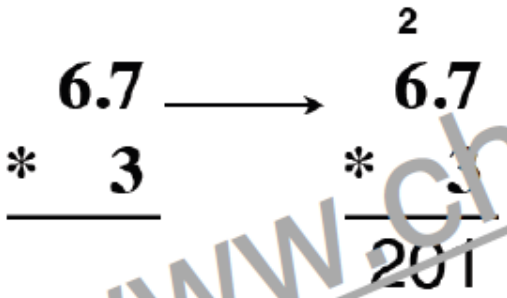


Multiplying Decimals: Traditional Algorithm, Part 1

Multiplying decimals is similar to multiplying whole numbers. The only difference—you need to place the decimal point in the correct place in your answer! Let's take a look at how to multiply decimal numbers.



Count the number of places to the right of the decimal the factor (6.7). In this case, there is one place, the ***tenths place***. Now, starting from the right (after the ***ones place)*** in the product ***201,*** count one space to the left. The decimal should be placed between the zero and the one.

Your answer is: 20.1

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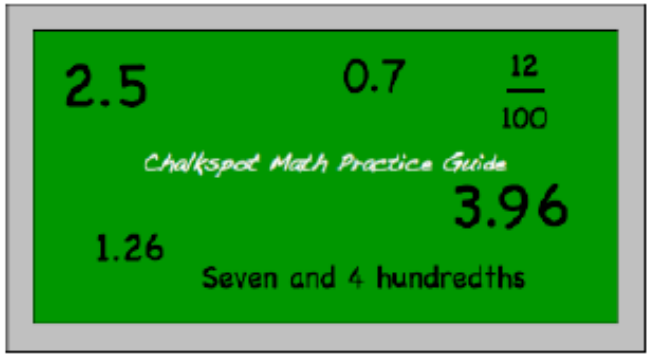
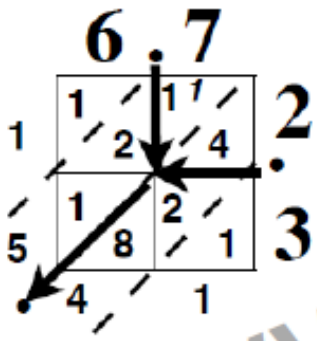


Multiplying Decimals: Lattice Method 2

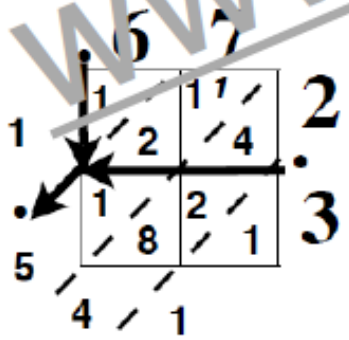
Now we will use the Lattice Method Algorithm to multiply two decimals. You multiply each digit in one factor by the digits in the other factor. Write the products so that the tens digit is above the diagonal and the ones digit is below the diagonal. Remember to carry the tens digit if the sum of the numbers along the diagonal is greater than nine.

In the diagram to the left, you notice that each decimal is lined up with a horizontal row and vertical line of the grid. Locate the point where the decimal horizontal and vertical lines intersect. Move down the nearest diagonal through the intersection point. You place the decimal at the end of this diagonal.



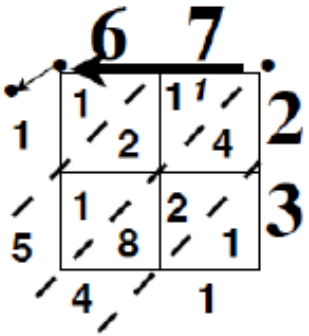
Your answer is:

15.41



Your answer is:

1.541



Your answer is:

.1541

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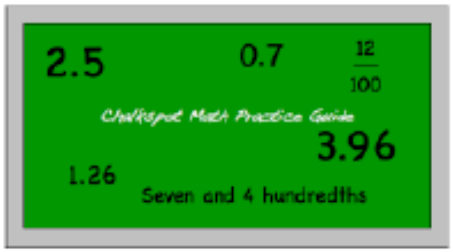
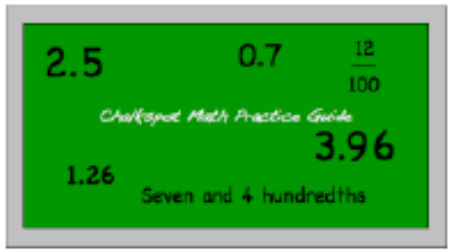


Multiplying Decimals C

Use a separate sheet of paper to show your work. You may use any algorithm to solve the problems.

1) .25 * 2.9 =
2) 1.23 * .47 =
3) 2.7 * .7 =
4) .06 * 5.9 =
5) 52 * .46 =
6) 6.04 * 36 =
7) 7[illegible]1.5 =
8) .99 * 86 =



Multiplying Decimals D

Use a separate sheet of paper to show your work. You may use any algorithm to solve the problems.

1) [illegible] * 15 =
2) [illegible] =
3) 9.7 * 4.5 =
4) 8.7 * .67 =
5) 21 * .43 =
6) .52 * 2.65 =
7) .19 * .37 =
8) 7.3 * 3.68 =

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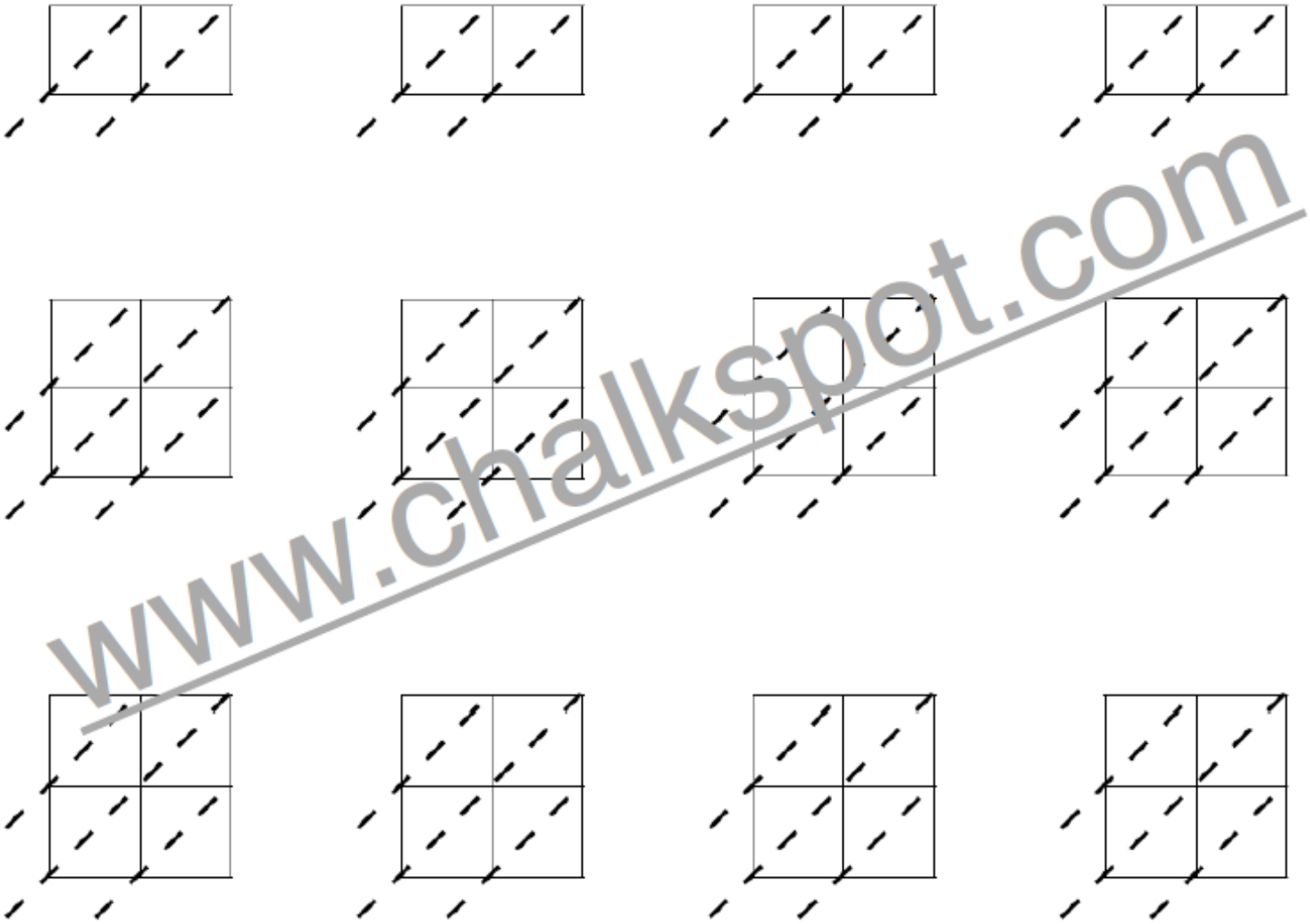

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