## Lesson 1.1

## Lesson 1-1: Fluently Add, Subtract, and Multiply Decimals

I can...add, subtract and multiply decimals.


## Example 1: Add Decimals

Kim and Martin swam 50 meters. Martin took 0.26 seconds longer than Kim. What is Martin's


Try it!
Suppose that Martin finished the race 0.47 second after Kim. What was Marin's time in the race? Use an estimated check to see if your answer is reasonable.

## Convince Me!



If Martin finished the race 0.267 second after Kim, you would need to add 0.267 to 50.9 to solve the problem. How is adding 0.267 to 50.9 different from adding 0.26 to 50.9 ?

## Example 2: Subtracting Decimals

Amy ran a race in 20.7 seconds. Katie finished the race 0.258 seconds before Amy.
How long did it take Katie to run the race?

Try it!
Amy 20.7210


Suppose Katie finished the race 0.13 second before Amy. What was Katie's time in the race? Use an estimation to check that your answer is reasonable.
able.

## Example 3: Multiply



$$
20.57-\quad \begin{array}{r}
20.1 \\
-\quad 0.13
\end{array}
$$

Decimals
What is the area of this antique map? Use the formula $A=1 \mathbf{W}$


$8.125 \mathrm{fl}^{23}$
How-do you determine where to place the decimal point in the product?
$0.43 \times 0.2$


## Do you understand?

1.) How can you add, subtract, and multiply with decimals?
2.) How is adding and subtracting decimals similar to and different from adding and subtracting whole numbers?
3.) What can you do if a decimal product has final zeros to the right of the decimal point?

Rate your understanding. 1-Do not understand....4-can teach someone else

| Learning Target: add, subtract and multiply decimals. |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| I can add decimals. | 1 | 2 | 3 | 4 |
| I can subtract decimals. | 1 | 2 | 3 | 4 |
| I can multiply decimals. | 1 | 2 | 3 | 4 |

