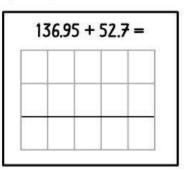
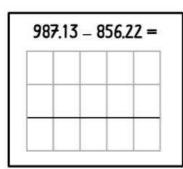
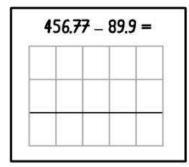
ADDING AND SUBTRACTING RATIONAL NUMBERS I

Mr. Erwin is reviewing how to add and subtract decimals with his students. Help Mr. Erwin by solving the problems below.





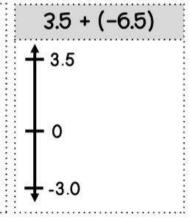


a. What part of the process for adding and subtracting decimals will still apply when you include positive and negative decimals?

ADDING POSITIVE AND NEGATIVE DECIMALS

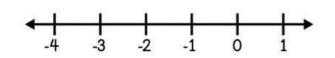
- The process and algorithm applies to adding both positive and negative decimals.
 - If the signs are the same, _____
 and use the same sign.
 - If the signs are ______,

 and take the sign of the number with the greatest absolute value.

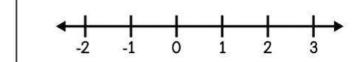


Practice adding decimals in the questions below.

1.



2.



3.

4.

5

$$9.0 + (-7.4) =$$

Use the cards below to create an equivalent expression using the additive inverse. Then, solve the problem to determine a solution.

A 3.78 - 5.78 B 7.5 - 8.75 C -8.6 - (-20.4) O -0.6 - 4.6		
Card A and Card H have a solution of		
Card B and Card E have a solution of		
Card C and Card G have a solution of		
Card D and Card F have a solution of		

Practice applying decimals in the situations below.

6. Virgil borrowed \$800 from his grandparents to start a lawn mowing business in his neighborhood. After mowing lawns for a month and paying his expenses, he was able to pay them \$188.56. How much does Virgil still owe his grandparents?	
I KNOW:	I NEED TO KNOW:
PLAN AND WORK:	SOLUTION:

7. The water level in the Colorado River is 2.55 meters below average. A large rainfall caused the water level to rise 0.8 meters. What is the water level after the rainfall?		
I KNOW:	I NEED TO KNOW:	
PLAN AND WORK:	SOLUTION:	