Tuesday 4/9

The number 17,000,000 is equal to 1,000 times the number 17,000. How do you know? Explain your thinking.

Because it has 3 extra zeroes so 1000 times bigger

Tuesday 4/9

Brady was multiplying 146.453 by 100 but is confused about where to put the decimal. Where would the decimal point be when he multiplied? Justify your answer.

146453

100 times bigger

Tuesday 4/9

Maddy needs help writing the number 45,678 in exponential notation. She knows she will start with (4×10^{-4}). What else will she need to add to complete this expression?

$(4 \times 10^4) + (5 \times 10^3) + (6 \times 10^2) + (7 \times 10) + (8 \times 1)$

Tuesday 4/9

Emily was given the expression....

$(4 \times 10^{-2}) + (2 \times 10) + (4 \times 1) + (2 \times 1/10) + (3 \times 1/1000)$

What would the number look like if written in numerical form?

424.203

Tuesday 4/9

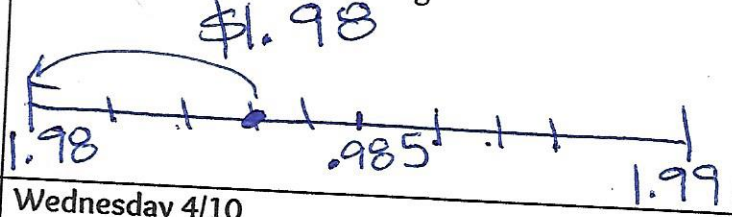
Grace and Jackson were comparing decimals. Grace said that 5.67 is greater than 5.8 because it has more numbers in the decimal place. Jackson disagrees. Do you agree with Grace or Jackson and explain your thinking.

Because $\frac{8}{10} = \frac{80}{100}$

$\frac{80}{100} > \frac{67}{100}$

Tuesday 4/9

The price of a gallon of gas is $1.983. Mario says our money doesn't go to the thousandths so we need it to be in hundredths. What is the price of gas rounded to the nearest hundredth? Use a number line diagram to prove your thinking.



Wednesday 4/10

Jacob is trying to solve the multiplication equation 567 x 33. Jacob knows the standard algorithm, partial products, and the open area model, but he wants to check his work. Solve the problem 2 ways, 1 way being the standard algorithm and another strategy of your choice. Explain how the two strategies you used are related and how you reached your answer in order to share with Jacob.

Wednesday 4/10

Oak Hill School is collecting pennies for a coin drive. So far Ms. Roger's class has collected 5,456 pennies. If they need to put them in bags of 50, how many bags will they have? Will they have any extras? If so, how many will they need to make another full bag of pennies?

Wednesday 4/10

Mary went to the grocery store and bought a few items for her party. She bought 5 packs of hotdogs for $3.99 each, 6 packs of buns for $2.45 each, and 3 bags of chips for $4.25 each. How much did she spend? If she had $50, how much change would she get back?

Wednesday 4/10

Austin has $97.86 to spend on lunch for him and 7 friends. How much can each friend spend if he divides it evenly? Round the number to the nearest hundredth.