Name _____

Extending Fraction Concepts

Dear Family,

   Your child is learning how fractions and decimals relate to each other. He or she is also learning how to compare numbers to two decimal places and how to order decimal numbers from least to greatest and from greatest to least. To do this, he or she is learning how to apply the concept of place value to decimals. For example, in the number 563.21, the 2 is in the tenths place and the 1 is in the hundredths place. This number is greater than 563.19 because there is a 1 in the tenths place in 563.19.
   Help your child practice putting decimal numbers in order by playing this game together.

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Make the Greatest Decimal

Materials: index cards, paper and pencil

Step 1 Make a set of number cards using 0 through 9 on each card. On another number card, write a decimal point. Place the number cards face down on a table but leave the decimal card face up. Turn over one number card and place it to the left of the decimal point.

Step 2 Player 1 turns over two cards and arranges them to the right of the decimal point to make the greatest possible number.

Step 3 Player 2 turns over two more cards and places them to the right of the decimal point on top of player one's cards to make the greatest possible number.

Step 4 Have your child record both numbers and read both numbers aloud. The player with the greatest number is the winner.

Step 5 Repeat the game with the goal of making the least number. Then play a version where the number card to the left of the decimal point is also turned over in steps 2 and 3 instead of in step 1. Make a card with a dollar sign and use it to the left of the number to make the greatest or least possible amount of money.