4TH GRADE MATH NEWSLETTER

March—April 2015

Our Unit 4 Math Concepts

✴ Generate number or shape patterns by using rules including words, models, or graphs, and identify apparent features of the pattern that were not explicit in the rule of the original pattern. For example, given the rule "Add 3" and the starting number 1 generate terms in the resulting sequence and observe that the terms appear to alternate between odd and even numbers.

✴ **Compose equations from information supplied in word problems, using letters to represent unknowns in formulas, and solve the word problems (with all four operations).**

✴ Add two fractions with respective denominators of 10 and 100 by writing each fraction as a fraction with denominator 100.

✴ Use decimal notation to write fractions with denominators of 10 or 100 by writing each fraction as a fraction with denominator 100.

✴ Apply area and perimeter formulas for rectangles in real world math problems (whole numbers).

✴ Make a line plot to display a data set in measurements in fractions of a unit (1/2, 1/4, 1/8) and use it to solve problems involving addition and subtraction of fractions with like denominators.

✴ Compare two decimals to hundredths by reasoning about their size. Recognize that comparisons are valid only when the two decimals refer to the same whole. Record the results of comparisons with the symbols >, =, or <, and justify the conclusions, e.g., by using a visual model.

✴ Solve word problems involving simple fractions or decimals that incorporate measurement comparisons of like units (including problems that require measurements given in a larger unit in terms of a smaller unit).

A copy of this newsletter can be found on the school website with connecting links for more information.

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LearnZillion Video Information:

Fractions & Decimals

This unit continues our previous work with fractions, and extends into decimals as well. Our students will continue to add fractions, and complete word problems with fractions. While working with decimals, we will display how fractions and decimals are connected with denominators of 10 and 100, and writing equivalent fractions for decimals. We will also work on comparing decimals to the tenths and hundredths.

Videos:

• Adding 10ths and 100ths
• Compare Decimals
• Compare Decimals using Money
• Fraction Word Problems
• Convert using Numb. Lines
• Convert using Visual Aids
• Convert using Division

Composing Equations   video

When writing equations from word problems, kids should focus on a few things to help them:

› First, read the word problem through at least twice.
› Next, decide what you know from the problem and write it down.
› Then, write down what you don't know and what letter will represent what you don't know.
› Lastly, write the equation using the letter to represent the unknown in the problem.

i-Ready at Home

Don't forget you can log-on to i-Ready at home and complete more lessons!

https://cainc.i-ready.com/