

Quarter 1 – Sixth Grade Math Syllabus

Our goal for first quarter is the Illinois Standard Goal 6 - number sense. Students will be learning the following math topics:

- Writing, drawing and verbally saying fractions
- Using fractions, improper and mixed numbers
- Recognizing and changing values as decimals, fraction/mixed numbers, or percents
- Solving problems involving items such as sales tax and tipping
- Solving problems comparing and contrasting odd/even numbers, greater/less than, square/prime numbers and factors/multiples.
- Using the order of operations (PEMDAS)
- Writing and saying ratios, identifying equivalent ratios, and creating and explaining ratios in word problems.

Parents can do the following activities to improve the skills on the above topics:

- Ask your child to see their math binder, and take a look at what they are working on in class.
- Review worksheets from your child's binder and give them practice problems.
- Review your child's math vocabulary and quiz them on various terms. (Vocabulary: prime number, product, factor, prime factorization, composite number, even number, odd number, square number, divisor, multiple, exponent, improper fraction, equivalent)
- While cooking, practice fractions by asking your child what the fraction would be for a specific ingredient if it was doubled, cut in half, or variations of fractions.
- Write a fraction and have your child make it into a percent and/or a decimal.
- Make up math problems using all the different operations. Your child will then have to use order of operations to solve the problems.
- While shopping, have your child figure out what the discount would be for a specific item if it was 30% off.