

Mathematics Family Letter, Advanced Unit 1



Dear Family,

Our class is starting a new unit in math about the properties of whole numbers, with emphasis on:

- Classifying the set of counting numbers into subsets with distinguishing characteristics (odd/even, prime/composite, squares, and square roots)
- Finding multiples and factors of whole numbers
- Analyzing and using divisibility rules

This unit also gives students an opportunity to review multiplication and division concepts with whole numbers and increase fluency with multiplication and division facts.

By the end of this unit, students should be able to:

- Find all the factors of a number
- Generate multiples of a number
- Use the rules of divisibility
- Identify numbers as prime or composite
- Recognize characteristics of odd and even numbers
- Identify square numbers and square roots
- Use exponents
- Find the prime factorization of a number

In our math class, students will spend time discussing problems in depth and are asked to share their reasoning and solutions. It is most important that children accurately and efficiently solve math problems in ways that make sense to them. We are asking that you encourage your child to explain his or her math thinking on a daily basis.

Sincerely,