

Quarter 2 : What will Galway E.S. Fourth Graders Learn this quarter in Math?

Our Focus: Number Computation, Patterns and Relationships.

November - January

What will we learn?

Whole Number Computation

- ◇ To write numeric expressions in equivalent forms using the commutative and associate properties
- ◇ To simplify numeric expressions involving parenthesis
- ◇ To find multiples of numbers
- ◇ To find factors of numbers
- ◇ To demonstrate mastery of multiplication and division fact families.

Number Patterns and Relationships

- ◇ To use variables in open sentences
- ◇ To solve for the unknown in an equation with one operation using whole numbers
- ◇ To generalize a pattern by stating a rule
- ◇ To complete a function (one step) table using a given rule

How will we learn these things?

- ✓ Build on previous knowledge of fact families
- ✓ Use factor trees to find prime factors of a number
- ✓ Use skip counting as a way to find multiples
- ✓ Using manipulatives (flash cards, 12 sided dice, counters) to practice facts
- ✓ Using games to improve knowledge of multiplication and division facts.

What resources will we use?

- 📖 [Everyday Math Student Reference Book](#)
- 📖 [Brain Pop](#)
- 📖 Math journal with vocabulary and examples
- 📖 [Everyday Math Student Journals 1 & 2](#)
- 📖 Manipulatives
- 📖 Flip Charts (promethean board)

Why are we learning this?

- To provide many foundational skills and help to build the thinking skills of logic, reasoning, analytical reasoning and problem solving
- To determine the relationship between whole numbers
- To learn how to make reasonable estimates and perform operations with large numbers
- To enable students to compute more efficiently.
- To introduce basic principles of algebra.

Vocabulary Words:

- Associative
- dividend
- divisor
- function
- multiples
- open sentence
- parenthesis
- remainder
- variable

Good mathematicians use strategies:
Predict - Question - Clarify - Summarize