

Quarter 3 : What will Galway E.S. Fourth Graders Learn this quarter in Math?

Our Focus: Fractions, Decimals and Probability / Multiplication, Division, Estimation and Time January - April

What will we learn?

Fractions, Decimals and Probability

- ◇ To recognize and name equivalent fractions
- ◇ To compare and order fractions, including improper fractions and mixed numbers with like denominators.
- ◇ Identify and compare decimals to the hundredths.
- ◇ To analyze and interpret line plots, line graphs and circle graphs
- ◇ Identify and describe relationships between fractions and decimals
- ◇ Add and subtract fractional numbers with like denominators
- ◇ Use models and pictures to multiply a fraction by a whole number
- ◇ Use models and pictures to relate, add, and subtract decimals
- ◇ Identify and describe relationships between fractions and decimals

Probability

- ◇ Find the probability of an event with equally likely outcomes / express it as a fraction
- ◇ Manipulate concrete objects to determine possible combinations
- ◇ Identify and represent all possible outcomes for a simple probability situation in an organized way.

Multiplication/Division/Estimation/Time

- ◇ Multiply any whole number by a 2 or 3 digit factor
- ◇ Divide any whole number by a one digit divisor, interpret remainder.
- ◇ Estimate products to determine reasonableness of answer
- ◇ Identify equivalent periods of time (including relationships between and among seconds, minutes, hours, days, months, years)
- ◇ Estimate and determine elapsed time

How will we learn these things?

- ✓ Use manipulatives such as fraction bars, snap cubes, base 10 blocks, decimal squares
- ✓ Build on knowledge of subtraction, addition, multiplication and division
- ✓ Use mnemonic strategies and concrete steps
- ✓ We will use 'Judy clocks' and relate problems to real world situations

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, fractions and decimals.
- To learn how to make reasonable estimates and perform operations with large numbers
- To enable students to compute more efficiently.
- To enable student to apply time concepts to real world situations

Vocabulary Words:

- Common fraction
- Decimal fraction
- hundredth
- improper fraction
- mixed number
- probability
- tenth
- tree diagram
- equivalent units
- seconds
- minutes

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