

***LineUp With Math™* Alignment**  
**2005 Connecticut Mathematics Curriculum Framework**

**2. NUMERICAL AND PROPORTIONAL REASONING:** Quantitative relationships can be expressed numerically in multiple ways in order to make connections and simplify calculations using a variety of strategies, tools and technologies.

***How are quantitative relationships represented by numbers?***

**2.1 Understand that a variety of numerical representations can be used to describe quantitative relationships.**

**Performance Standards & Expected Performances**

a. Represent real- world situations and solutions to problems using the appropriate symbolic form (fractions, decimals or percents).

**(6)** Solve practical problems involving rates, scale factors, mixtures and percents with proportions.

**(7)** Estimate to predict outcomes and determine reasonableness of results, and describe whether an estimate is an over- or underestimate.

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.

--Use percent relationships to resolve distance, rate, time conflicts in air traffic control.

--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.