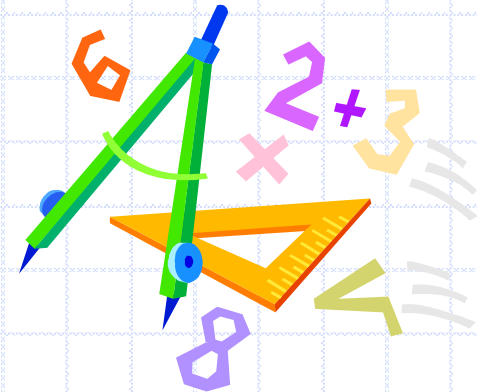


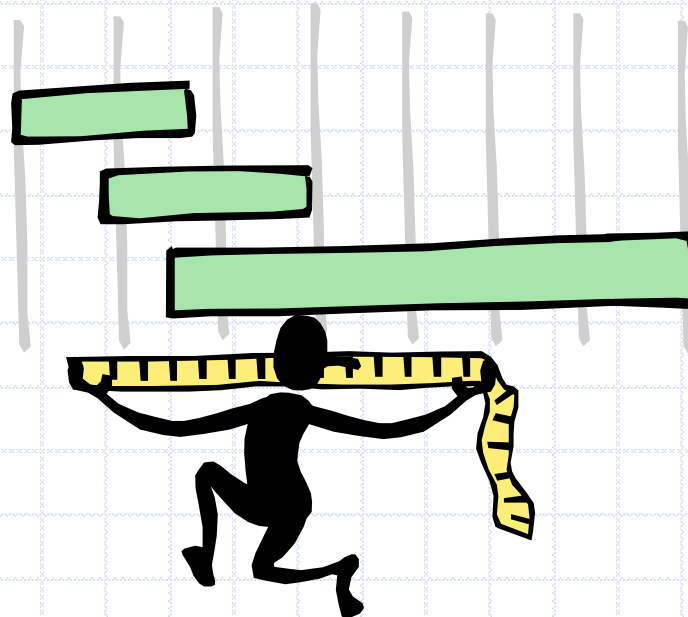
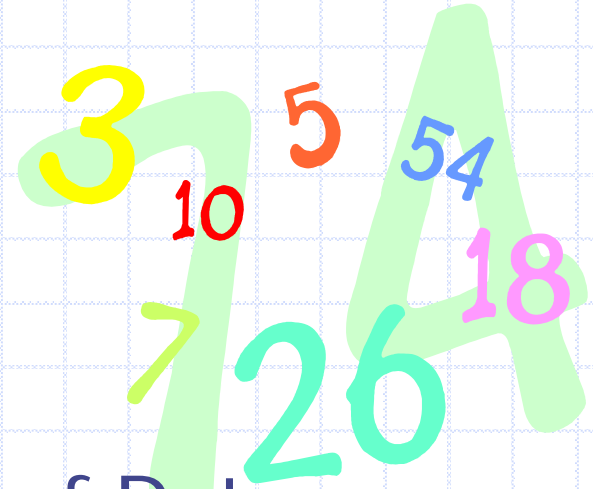
# Correlating Data with Model Lessons

Presented by  
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RUSMP Spring Networking  
Conference – February 12, 2005



# Data

- ◆ Importance of Data
- ◆ Collection/Organization of Data
- ◆ Analysis/Interpretation of Data



# Model Lessons

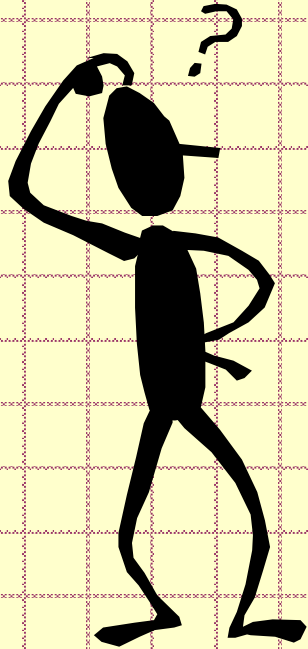
- ◆ What are Model Lessons and their purpose?
- ◆ HISD 7<sup>th</sup> Grade Math Model Lessons



	Symbolic	Pictorial
1 105 2	$x + 2 = 3$	$\Delta \text{○○}   \text{○○○}$
	$x + 2 = 3$ $- 2 \quad - 2$ $x = 1$	$\Delta \text{○○}   \text{○○○}$ $\Delta   \text{○}$

# Tradition

- Abstract only



Factor the trinomial.

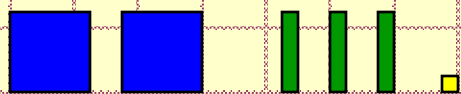
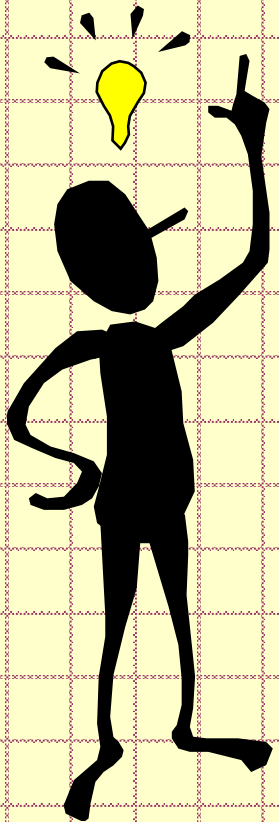
$$2x^2 + 3x + 1$$

Answer:

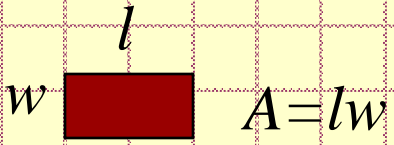
$$(2x + 1)(x + 1)$$

# Modeling

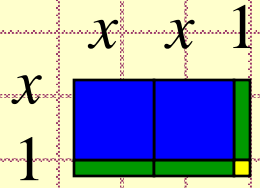
## ■ Concrete to Abstract



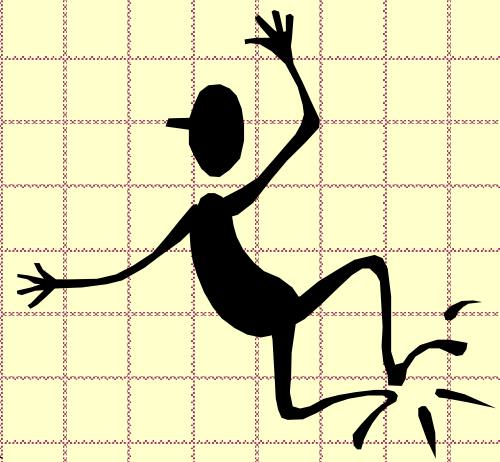
$$2x^2 + 3x + 1$$



$$\left. \begin{array}{l} l = x + x + 1 \\ w = x + 1 \end{array} \right\}$$



$$(2x + 1)(x + 1)$$



# Correlation of Data with Model Lessons

- ◆ Making the Connection – An Example
- ◆ Let's Practice