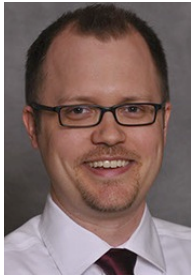


# Integrating instruction and formative assessment effectively



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# Paul Buckley & Sheila DeJoode

Sr Product Managers  
eInstruction

# Teacher Effectiveness drives student performance

- Great student influx every year
  - Los Angeles: 10 percentile points on standardized tests
  - North Carolina: teacher greater impact than class size
- Without effective feedback teachers plateau around year 3 or 4
- The best time to conduct assessment is during the instruction process



Instruction

Active Engagement

# Evaluate

Taking time away from instruction to administer a test reduces instruction time


Real-time Feedback


Continuous Assessment

## Question Analysis

Class: Math  
Session: Math 9/19/2011 9:11:22 AM  
Class Average: 85.71 %

### Chart Legend

Correct 

Incorrect 



Previous

1 of 7

Next

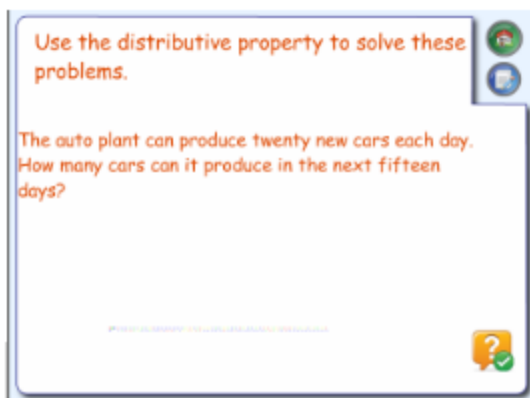
Q1

Question Type: Numeric




Standard: 5: 5.NBT.5 - Standard - Fluently multiply multi-digit whole numbers using the standard algorithm.

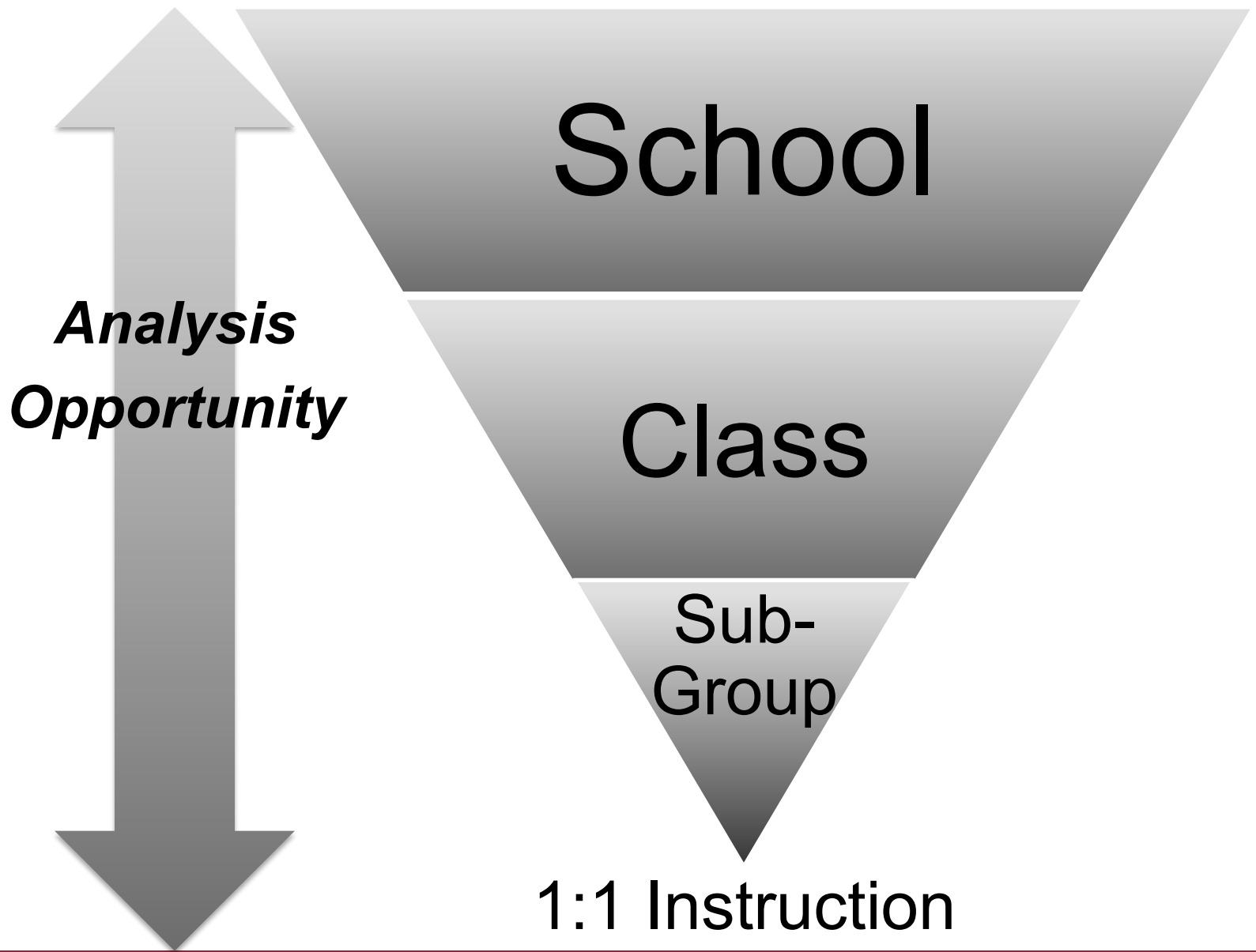
Use the distributive property to solve these problems.

The auto plant can produce twenty new cars each day. How many cars can it produce in the next fifteen days?



Click on screenshot to view fullscreen

Response	Responded	Percent
200		4 12.50 %
300		26 81.25 %
500		2 6.25 %



# 2012 K12 Business Priorities

Attract &  
Retain High  
Quality  
Educators

Attract &  
Retain High  
Quality  
Students

Manage  
and deliver  
operational  
results



# MILTON



## AREA SCHOOL DISTRICT

Preparing students for 21st century success through

*Educational Excellence*

*Home of the  
BLACK PANTHERS*



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# Using Formative Assessment to Adapt, Modify, and Change Instruction through a Continuous Improvement Model

Telling our Story:  
Milton Area School District



# MILTON



## AREA SCHOOL DISTRICT

Preparing students for 21st century success through

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*Home of the  
BLACK PANTHERS*

### **Our Mission:**

Preparing students for 21<sup>st</sup> century success through Educational Excellence.

### **We Value:**

Respect, Resiliency, Integrity, Leadership, Community, Enthusiasm,  
Loyalty, Empathy

### **We Believe In:**

Critical Thinking & Problem Solving  
Creativity & Innovation  
Collaboration & Transparency  
Self Management & Flexibility

Monitor and  
Evaluate  
Results

Review Interim  
Assessments

Select Specific  
Strategies

Set  
Goals

Analyze Data  
and Prioritize  
Need

## Analyze Data and Prioritize Need

**How are areas of concern identified in order to focus on student progress and performance through a transparent and systemic approach?**

Monitor and Evaluate Results

Review Interim Assessments

Select Specific Strategies

Set Goals

Analyze Data and Prioritize Need

## Analyze Data and Prioritize Need

What data do we use to drive our decision-making ?

Monitor and  
Evaluate  
Results

Review Interim  
Assessments

Select Specific  
Strategies

Set  
Goals

Analyze Data  
and Prioritize  
Need

## Set Goals

**What goal setting model best facilitates analysis, monitoring and adjusting professional practice?**

Monitor and  
Evaluate  
Results

Review Interim  
Assessments

Select Specific  
Strategies

Set  
Goals

Analyze Data  
and Prioritize  
Need

## Set Goals

**How often do we review and revise student goals within our current decision-making structure?**

Monitor and  
Evaluate  
Results

Review Interim  
Assessments

Select Specific  
Strategies

Set  
Goals

Analyze Data  
and Prioritize  
Need

## Select Specific Strategies

What are the different types of  
strategies we employ?

Monitor and  
Evaluate  
Results

Review Interim  
Assessments

Select Specific  
Strategies

Set  
Goals

Analyze Data  
and Prioritize  
Need

## Select Specific Strategies

How do we determine the best research-based strategies to help students overcome their obstacles?



Monitor and  
Evaluate  
Results

Review Interim  
Assessments

Select Specific  
Strategies

Set  
Goals

Analyze Data  
and Prioritize  
Need

# Review Interim Assessments

Why is it important to review the results indicators after each interim assessment?

Monitor and  
Evaluate  
Results

# Review Interim Assessments

Review Interim  
Assessments

Who is involved in the review of the interim assessments? Why?

Select Specific  
Strategies

Set  
Goals

Analyze Data  
and Prioritize  
Need

Monitor and  
Evaluate  
Results



# Monitor and Evaluate Results

Review Interim  
Assessments

Select Specific  
Strategies

Set  
Goals

Analyze Data  
and Prioritize  
Need

**From an educator's perspective, why is it important to employ a process for continual improvement using formative assessments?**

Monitor and  
Evaluate  
Results



# Monitor and Evaluate Results

Review Interim  
Assessments

Select Specific  
Strategies

Set  
Goals

Analyze Data  
and Prioritize  
Need

**From a district-wide perspective,  
why is it important to employ a  
process for continual improvement  
using formative assessments?**

# Data Decision Making Process References

**The Leadership and Learning Center.** Decision-making for Results Professional Development. [www.LeadandLearn.com](http://www.LeadandLearn.com). June 2011.

Wiggins, Grant & McTighe, Jay. **Schooling by Design: Mission, Action, and Achievement.** 2007