Why is Math Taught so Differently

Black Knight Connections
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Mathematics Proficiency

• Make sense of problems and persevere in solving them.
• Reason abstractly and quantitatively.
• Construct viable arguments and critique the reasoning of others.
• Model with mathematics.
• Use appropriate tools strategically.
• Attend to precision.
• Look for and make use of structure.
• Look for and express regularity in repeated reasoning.
What does it mean to understand
Example 1: 2 digit multiplication
Example 1: 2 digit multiplication

- Shortcut Method
- Partial Products
Example 2: Fraction Multiplication

- Bill and Ted work together to mow a lawn. Each is responsible to mow half of the lawn. Bill only mowed $\frac{2}{3}$ of his half. How much of the total lawn did Bill mow?
Access to Support

- Parent Pages for Grades K-6
- Big Ideas Online tools for Grades 7 and 8
Parent Guide to Math Expressions, Grade 2, Unit 5

Use this guide to locate resources aligned with the work that your Hempfield student is doing in class.

Unit 5: Time, Graphs and Word Problems

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Access to Support

**LESSON 26**

**Counting Patterns Within 100**

**OBJECTIVE:** Extend counting sequences within 100, counting by 1s, 5s, and 10s.

**You can count different ways.**

Count by fives.

5, 10, 15, 20, 25, 30, 35

Count by tens.

10, 20, 30, 40, 50, 60

**Count by fives.**

1. 5, 10, 15, 20, _____, _____, _____

2. 20, 25, 30, 35, _____, _____, _____

**LESSON 02**

**Time to 5 Minutes**

**OBJECTIVE:** Tell and write time to the nearest five minutes.

The minute hand moves from one number to the next in 5 minutes.

Start at the 12. Count by fives.

Stop at the number the minute hand points to.

The hour is 8 o’clock.

It is 20 minutes after 8:00.

Look at the clock hands. Write the time.

1. 2. 3.
Access to Support: Video Resources

0 Teacher Edition Walkthrough
0 Program Overview
1 Addition Strategies: Make a Ten Strategy with Fingers and Coin Strips
2 Accessible Algorithms: Show All Totals, New Groups Below, New Groups Above
3 Measure Length
4 Accessible Algorithms: Expanded Method, Ungroup First, Adding Up Method
5 Daily Routine: Time
6 Accessible Algorithms: Expanded Method, Ungroup First Method, Adding Up Method
What comes next in the sequence?
What comes next in the sequence?

M, ❤, 8, M
Thanks for coming!

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