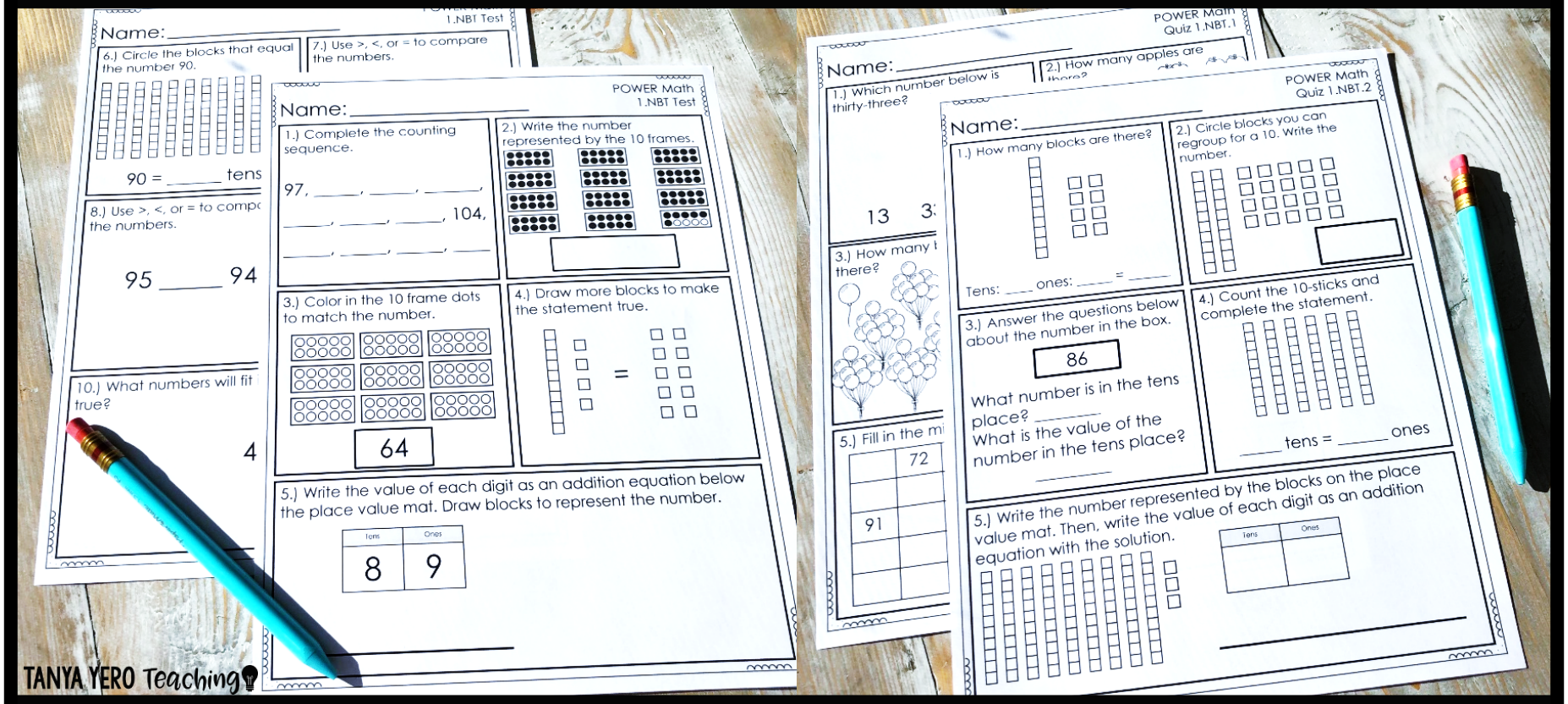
1ST GRADE

POWER Math Assessments

Quizzes per standard * Pre/post tests per domain



Procedural & Conceptual Understanding

POWER Assessments

What is included?

- Procedural and conceptual based math questions
- Quality prompts and word problems that promote rigorous thinking
- Space for showing work and answers
- 5 questions per standard.
- Combine standards to make longer quizzes
- 20 questions per domain
- Easy prep
- Answer Keys

POWER Assessments

Sample Assessments

Name: _____ POWER Math Quiz 1.NBT.3

1.) Compare the numbers using >, <, or =.

35 ___

2.) Compare the numbers

Name: _____ POWER Math Quiz 1.NBT.2

1.) How many blocks are there?

2.) Circle blocks you can regroup for a 10. Write the number.

Name: _____ POWER Math Quiz 1.NBT.1

1.) Which number below is thirty-three?

13 33 133

2.) How many apples are there?

3.) How many balloons are there?

4.) How many crayons are there?

5.) Fill in the missing numbers below.

	72								80
				85					
91									
							108		
		113							

Name: _____ POWER Math 1.NBT Test

6.) Circle the blocks that equal the number 90.

7.) Use >, <, or = to compare the numbers.

47 _____ 74

Name: _____ POWER Math 1.NBT Test

1.) Complete the counting sequence.

97, _____, _____, _____,

_____, _____, _____, 104,

_____, _____, _____, _____

2.) Write the number represented by the 10 frames.

3.) Color in the 10 frame dots to match the number.

64

4.) Draw more blocks to make the statement true.

5.) Write the value of each digit as an addition equation below the place value mat. Draw blocks to represent the number.

Tens	Ones
8	9

_____

WHAT ARE POWER PROBLEMS?

PURPOSEFUL - These problems are meant to keep students focused, while strengthening initiative and perseverance.

OPPORTUNITIES - These prompts can be used in a variety of ways. P.O.W.E.R problems can be used to introduce a lesson, spiral review, or as formative assessments.

WITH

ENGAGEMENT - Problems are real word applicable and designed to hook students with interest and presentation. Complexity of problems promotes problem solving skills.

RIGOR - Tasks are specifically designed to challenge students and assess conceptual understanding of curriculum versus procedural understanding. Students will need to apply more than just a "formula."

WHY USE POWER PROBLEMS?

BUILD STAMINA WITHIN YOUR STUDENTS

MORE THAN JUST A COOKIE CUTTER TEXTBOOK APPROACH - P.O.W.E.R problems are designed to challenge your students with their open ended presentation. Majority of problems that come from textbooks and workbooks assess procedural understanding of curriculum. Some textbooks even provide step by step instructions where the textbook is thinking for the students and taking away that "productive struggle" for children. When we rob students of that event, we rob them of their ability to reason, problem solve, and see beyond a standard algorithm. P.O.W.E.R problems are meant to show students that there are different ways to answer one question in math. With these tasks students take ownership and are part of the problem solving process versus filling in blanks in a textbook.

HOW TO USE POWER PROBLEMS

YOUR KIDS. YOUR CHOICE. FLEXIBILITY.

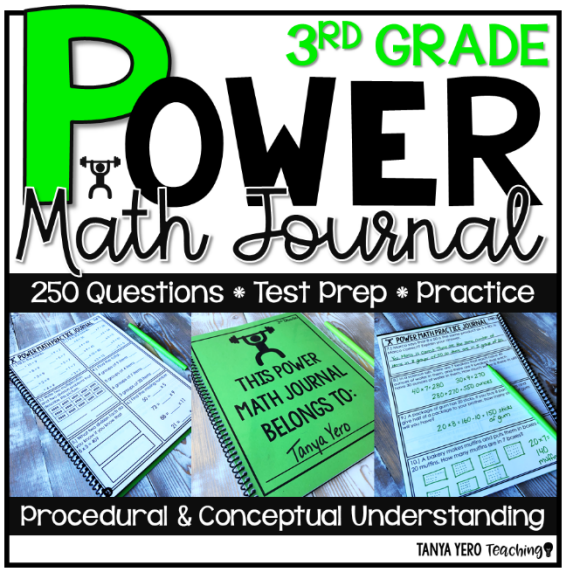
TO INTRODUCE A LESSON - P.O.W.E.R problems can be used to introduce a new skill. In this case your students will experience a "productive struggle." Their problem solving skills and prior knowledge will kick in. Often times most of my students will have the incorrect answer or no answer at all. I then have someone explain their method/reasoning and allow my students to critique their peer's answer. This makes for great accountable talk discussions. If I see that most students do not have an answer I will assist the class in getting to a specific point and then allow them to finish independently.

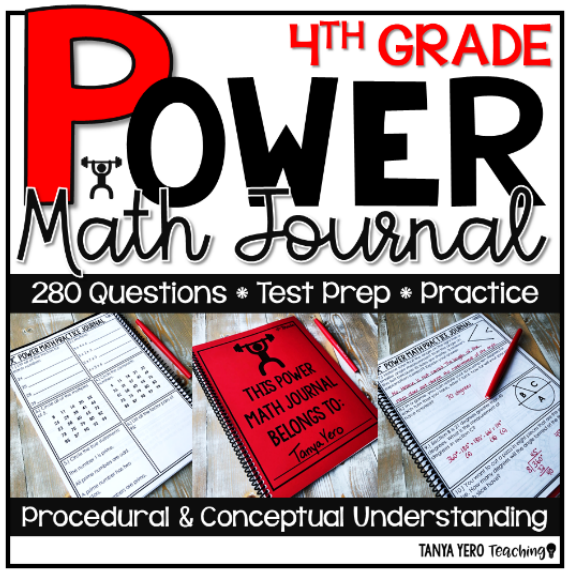
SPIRAL REVIEW - Avoid your students forgetting standards by using P.O.W.E.R problems to spiral review previously taught lessons.

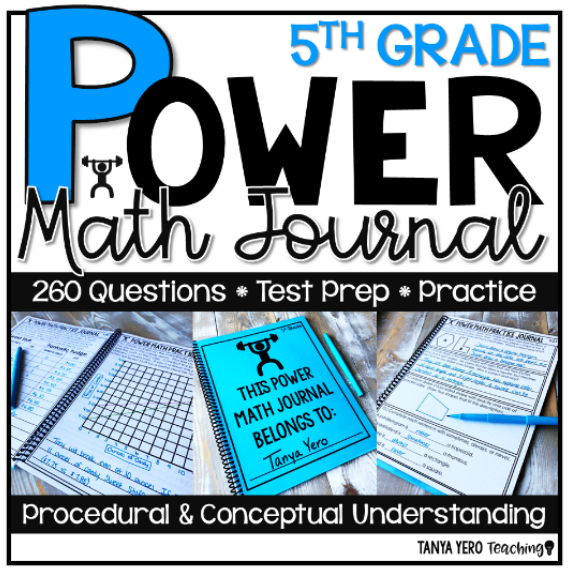
FORMATIVE ASSESSMENTS - You can use these problems to assess mastery and levels of understanding.

Don't miss out on more POWER Problems!

TANYA YERO Teaching







RIGOROUS QUESTIONS

CONCEPTUAL THINKING

OPEN ENDED QUESTIONS

TEST PREP RESOURCES