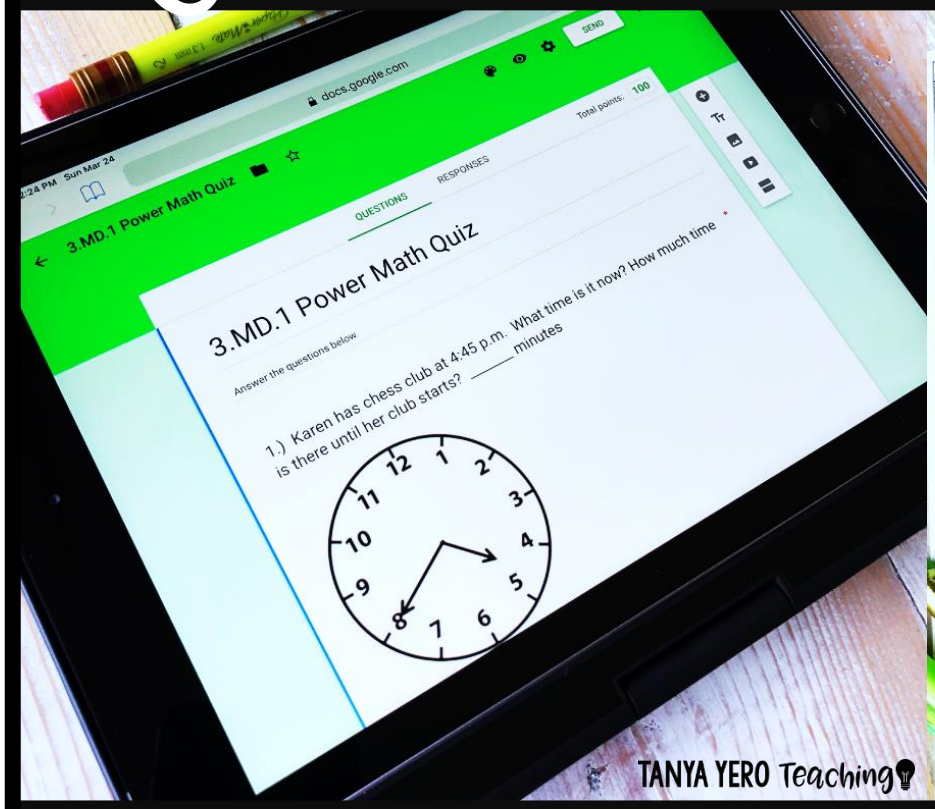
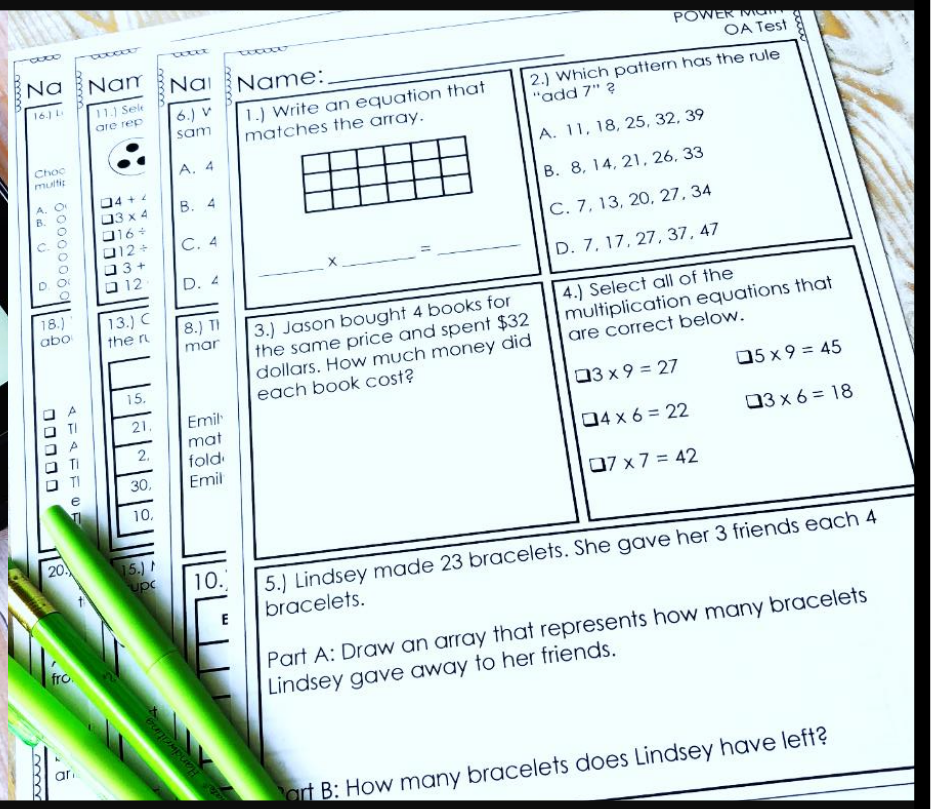
3RD GRADE POWER Math Assessments

Digital & Print Version Bundle





Procedural & Conceptual Understanding

POWER Assessments

What is included?

- 225 procedural and conceptual based math questions
- Digital and print versions included
- Quality prompts and word problems that promote rigorous thinking
- 5 questions per standard
- 20 questions per domain
- Combine standards to make longer quizzes
- EASY PREP
- Answer Keys

POWER Assessments

Sample Print Assessments

Name: _____ POWER Math Quiz 3.OA.1

Name: _____ POWER Math Quiz 3.OA.2

1.) Group the circles below to show the expression 18 ÷ 3

2.) Which division expression could be shown using this

Name: _____ POWER Math Quiz 3.OA.3

1.) Carlos bought 3 egg cartons at the store. Each carton has 12 eggs. How many eggs did Carlos buy?

2.) Mel has 100 stickers that she wants to divide equally among 10 sticker books. How many stickers will she put in each book?

3.) Determine which number goes in the ☐ below.

Kara has ☐ buttons in a bag. She can make 11 equal groups, each with 5 buttons.

4.) Each spider has 8 legs. Hadia counted 72 spider legs in all. How many spiders are there?

5.) Jamie bought spools of ribbon that were each 3 feet long. Use the information below to select the correct answers in the table.

Red – 6 spools	Blue – 4 spools	Green – 7 spools	Black – 3 spools	Pink-5 spools

Colors:	Less than 15 feet:	Exactly 15 feet:	More than 15 feet:
Red	o	o	o
Blue	o	o	o
Green	o	o	o
Black	o	o	o
Pink	o	o	o

Name: _____ POWER Math OA Test

Name: _____ POWER Math OA Test

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Name: _____ POWER Math OA Test

16.) Look at the array below.

OOO
OOO
OOO
OOO

Choose the array that shows the same multiplication fact another way.

A. OOOOOOOOOOOO
B. OOOOOO
OOOOOO
C. OOOO
OOOO
OOOO
D. OOOOOOOOOO
OO

17.) Select all of the problems that have a product of 35.

- ❑ 5 x (7 + 5)
- ❑ 5 x (4 + 3)
- ❑ 5 x (6 + 1)
- ❑ 7 x (3 +2)
- ❑ 7 x (5 + 7)

18.) Which two statements are true about this pattern?

2, 5, 8, 11, 14, 17

- ❑ All numbers are even.
- ❑ The rule is add 3.
- ❑ All numbers are odd.
- ❑ The rule is add 4.
- ❑ The numbers alternate between even and odd.
- ❑ The eighth number in this term is 23.

19.) What is the inverse operation of 8 x 9?

20.) The table shows how many tickets are needed for prizes at the carnival.

Teddy Bear	LED Yo-Yo	Glow Sticks	Rubber Bracelet	Lollipop
78	52	28	21	8

Addison won 8 tickets each from 8 games, 9 tickets each from 3 games, and 12 tickets from 1 game. Part A: How many tickets did Addison win in all?

Part B: Addison wants to spend all of her tickets. If she gets a teddy bear and rubber bracelet, is it possible for her to spend her remaining tickets on another prize? Justify your answer.

POWER Assessments

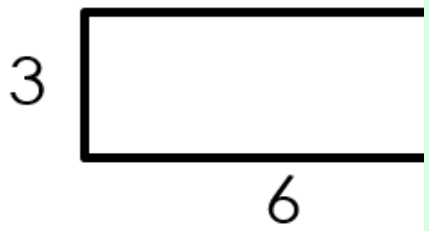
Sample Digital Assessments

Measurement an
Test

Answer the questions below.

* Required

1.) Which equation could be u
rectangle? *



- A.) 3 + 6
- B.) 3 + 3 + 6 + 6
- C.) 3 x 6
- D.) 3 x 6 x 3 x 6

2.) Terrance woke up at 7:55.
time Terrance woke up. *

3.MD.5 Power Math Quiz

Answer the questions below.

* Required

1.) Yolanda needs to determine how much paint she needs to cover a wall in her room. Should she use perimeter or area to figure it out? Why? *

- A.) Area, because Yolanda is trying to determine the amount of surface covered by the wall.
- B.) Perimeter, because Yolanda is trying to determine the amount of surface covered by the wall.
- C.) Area, because Yolanda is trying to determine the amount of border that runs along the wall.
- D.) Perimeter, because Yolanda is trying to determine the amount of border that runs along the wall.

2.) A square is 1 unit long and 1 unit wide. What is its area? *

- A.) 4 square units
- B.) 1 square unit
- C.) 2 square units
- D.) 6 square units

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.

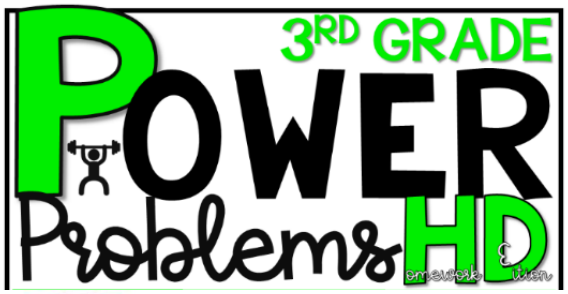
TO INTRODUCE A LESSON - P.O.W.E.R problems can be used to introduce a new skill. In this case your students will experience a "productive struggle." Their problem solving skills and prior knowledge will kick in. Often times most of my students will have the incorrect answer or no answer at all. I then 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.

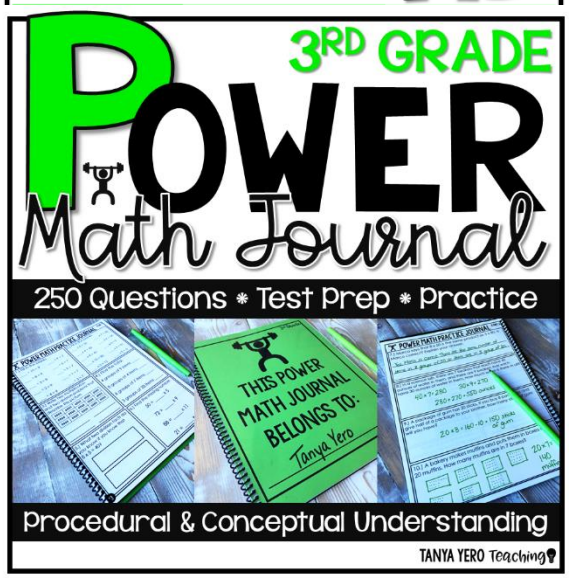
SPIRAL REVIEW - Avoid your students forgetting standards by using P.O.W.E.R problems to spiral review previously taught lessons.

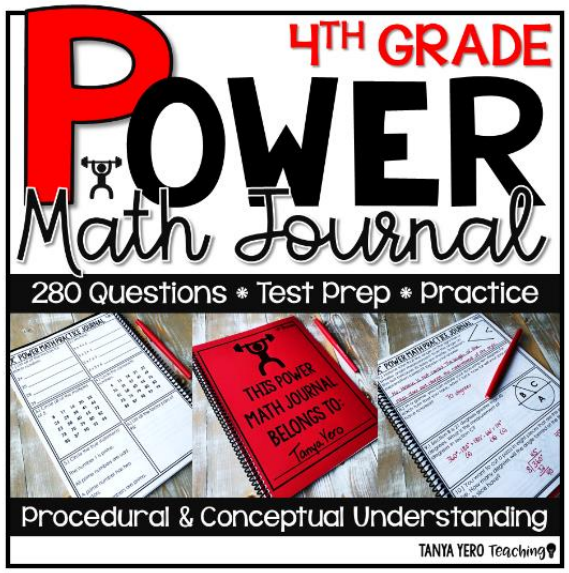
FORMATIVE ASSESSMENTS - You can use these problems to assess mastery and levels of understanding.

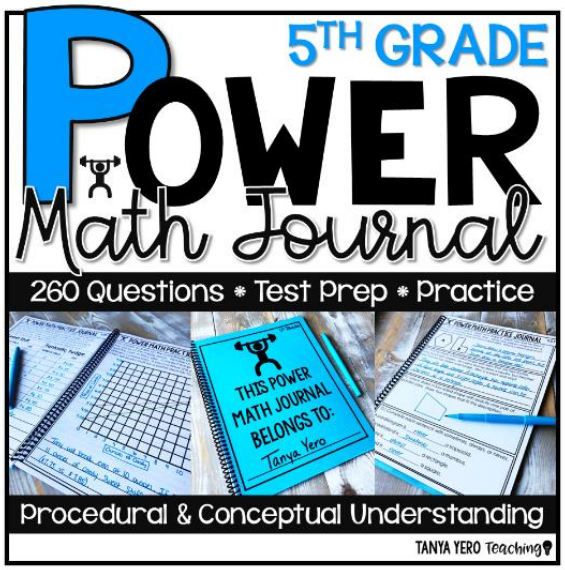
Don't miss out on more POWER Problems!

TANYA YERO Teaching









- RIGOROUS QUESTIONS
- CONCEPTUAL THINKING
- OPEN ENDED QUESTIONS
- TEST PREP RESOURCES