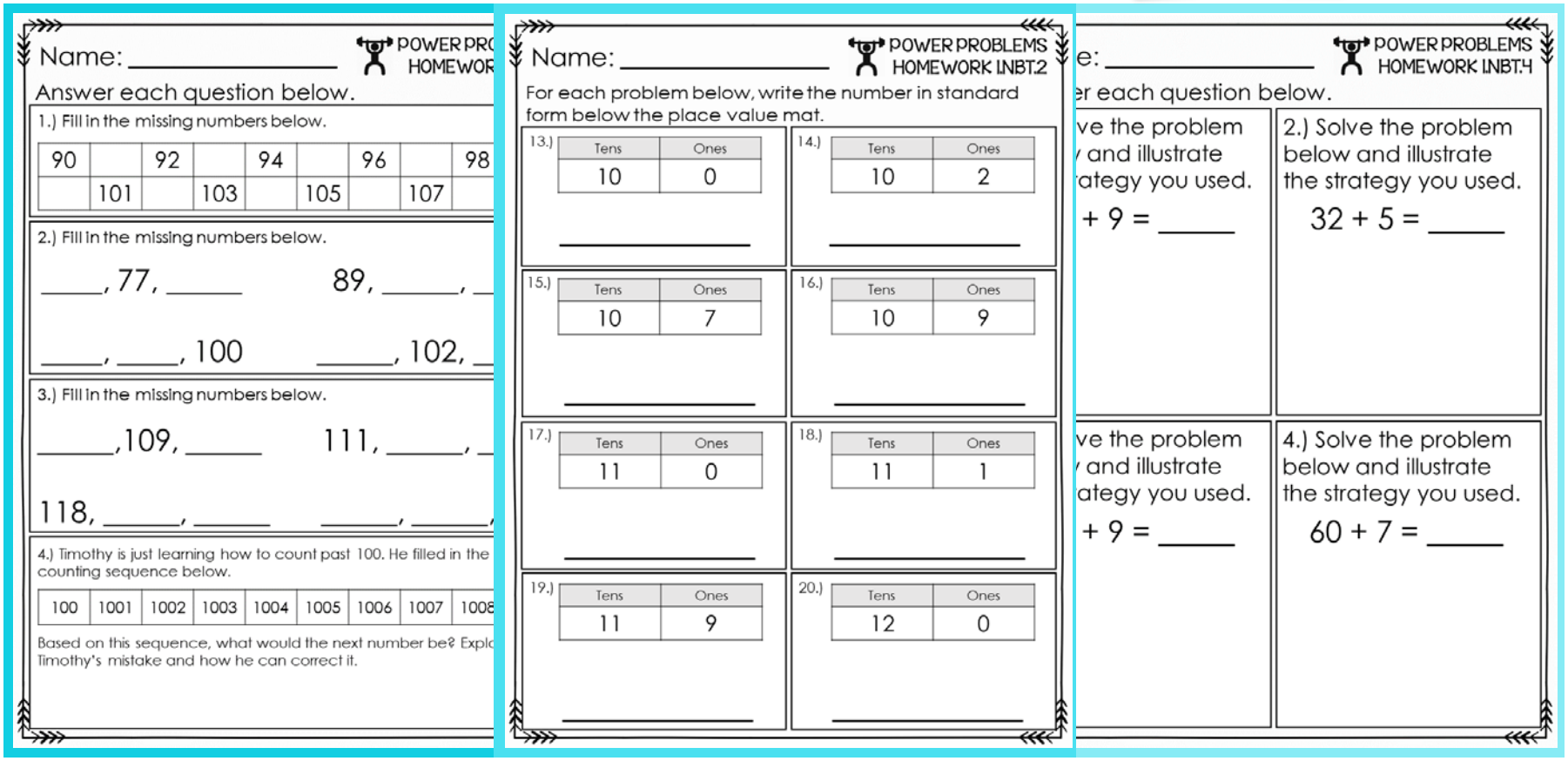
1ST GRADE

POWER Problems HD

Homework Edition



Name: _____ POWER PRO HOMEWOR

Answer each question below.

1.) Fill in the missing numbers below.

90		92		94		96		98
	101		103		105		107	

2.) Fill in the missing numbers below.

_____, 77, _____ 89, _____, _

_____, _____, 100 _____, 102, _

3.) Fill in the missing numbers below.

_____,109, _____ 111, _____, _

118, _____, _____ _____, _____,

4.) Timothy is just learning how to count past 100. He filled in the counting sequence below.

100	1001	1002	1003	1004	1005	1006	1007	1008

Based on this sequence, what would the next number be? Explo Timothy's mistake and how he can correct it.

Name: _____ POWER PROBLEMS HOMEWORK 1.NBT.2

For each problem below, write the number in standard form below the place value mat.

13.)

Tens	Ones
10	0

_____

14.)

Tens	Ones
10	2

_____

15.)

Tens	Ones
10	7

_____

16.)

Tens	Ones
10	9

_____

17.)

Tens	Ones
11	0

_____

18.)

Tens	Ones
11	1

_____

19.)

Tens	Ones
11	9

_____

20.)

Tens	Ones
12	0

_____

e: _____ POWER PROBLEMS HOMEWORK 1.NBT.4

er each question below.

ve the problem and illustrate ategy you used.

+ 9 = _____

2.) Solve the problem below and illustrate the strategy you used.

32 + 5 = _____

ve the problem and illustrate ategy you used.

+ 9 = _____

4.) Solve the problem below and illustrate the strategy you used.

60 + 7 = _____

Numbers and Operations in Base Ten Standards

TANYA YERO Teaching

Name: _____

POWER PROBLEMS
HOMEWORK 1.NBT.1

Answer each question below.

1.) Fill in the missing numbers below.

90		92		94		96		98	99
	101		103		105		107		109

2.) Fill in the missing numbers below.

_____, 77, _____ 88, _____, _____

_____, _____, 100 _____, 102, _____

3.) Fill in the missing numbers below.

_____, 109, _____ 111, _____, _____

118, _____, _____ _____, _____, 116

4.) Timothy is just learning how to count past 100. He filled in the counting sequence below.

100	1001	1002	1003	1004	1005	1006	1007	1008	1009

Based on this sequence, what would the next number be? Explain Timothy's mistake and how he can correct it.

POWERProblems HD

What is included?

- Procedural and conceptual based math questions
- Quality prompts and word problems that promote rigorous thinking
- 4 questions per standard
- Each standard is formatted to one page
- Easy prep
- Answer keys

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 - Power Problems are real word applicable and designed to hook students with interest and presentation. The 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.