

3RD GRADE

P POWER PROBLEMS

Bundle

graduation party. They need of they of brownies, 7 batches of and 9 large cakes?

centennial celebration. She has 40 an equal party favors. She pieces

separate the array below. Different equations to the product.

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POWER PROBLEM 3.OA.5

Your grandma gave you a \$1,000 gift card for your birthday! Spend as much of it as you can without going over the

Name:

Frank and Teresa are helping to set up for a birthday party. There are 9 place settings at each of the 6 tables. Frank says you can skip count by 6's six times to find the total number of place settings. Teresa says you skip count by 9's six times to find the number of place settings. Who is correct? Explain.

POWER PROBLEM 3

Name:

Food Item Sold	Price
Hot Dogs	
Pizza	
Hamburgers	
Funnel Cake	
Tacos	

POWER PROBLEM 3.MD.2

Name:

The 3 students below wrote an estimated amount of mass they thought their object was. Decide if each statement is correct or incorrect. Explain why.

the front

6 in.

5, and 7. Descent see

145 QUESTIONS!

THANK YOU

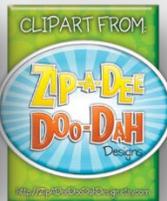
FOR YOUR

PURCHASE!



Questions? Contact me!
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WHAT ARE P.O.W.E.R 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 P.O.W.E.R 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 P.O.W.E.R 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.