

P.O.T.W. title

names:
date:
period:

Problem Statement: (2 pts)

<u>What is your plan? What strategies will you use?</u>	(3pts)	<u>My guess</u>	(1pt)
Examples include tables, charts, graphs, math operations, etc			

Final Answer: (also include your comparison to original guess, and what you learned) (3pts)

Steps/Work (number each step) (3pts)

Example:

1) $52 \times 4 = 208$

Explanation for each step. The WHY?

(3pts)

Example:

1) I multiplied by 4 because the problem said I needed four bags and each bag had 52 items in it.

The title of the Problem of the Week is: _____
The Problem of the Week is DUE: (Include day of the week and Date) _____

Name _____
Period _____

State the problem in your own words, or write down the necessary information to completely solve the problem.

My Answer is:

My justification as to why I believe my answer is correct:

This is the step-by-step process I used to solve the problem:

State IN YOUR OWN WORDS what the problem is all about
(circle or highlight all necessary numbers and info).

Handwritten area for stating the problem in own words.

Describe, in detailed and complete sentences,
how you went about solving the problem.

Handwritten area for describing the solution process.

What wrong moves did you make on your way
to solving this problem?

Handwritten area for reflecting on wrong moves.

Name _____
Date _____
Period _____
P.O.W. Assignment

And I think it is correct because _____

Handwritten area for explaining why the answer is correct.

Which math category does this fit?

- Number sense & operations
- Probability & statistics
- Patterns, algebra & functions
- Geometry & measurement
- Structure & logic

Create a new problem that is like the one you solved.

Handwritten area for creating a new problem.

I found this problem:

Too Easy Easy Just Right Challenging Too Challenging

Please show all
of your work
on the back.
Include any
drawings,
tables,
charts,
or
pictures.

Name:

Copy the Problem word for word: (1pt) _____

What is being asked? (2 pts) _____

Facts. Eliminate unneeded information (5pts) Write out information that is unneeded

Reasoning
Explain why (5pts) Write out why the unneeded information is unneeded, and why the steps you are taking to solve the problem are needed.

Show work to solve the problem here. (5pts) Show all work here. Use labels such as feet, pounds, or gallons when needed.

Steps need to solve the problem. (5pts) write out the steps you will take to solve the problem.

Final answer, in complete sentences here. Include labels (ft., lbs., km....) (2pts) _____

Weekly Problem

Title _____

Name: _____

Date: _____

Period: _____

Section 1 - Understand/Problem Statement: (2 points) *Retell or paraphrase in your own words.*

Section 2 - Plan/Analyze: (6 points) *Information needed, strategies you will use, your prediction.*

Final Scoring: (20 points possible)

Section 1 _____ Section 2 _____ Section 3 _____ Section 4 _____ Total _____

Section 3 - Solve and Explain: (8 points) *Choose and carry out your plan. Explain in detail what you did with at least one paragraph. Write your final answer in a complete sentence.*

Show your work below: Use additional paper if necessary.

Final Answer: _____

Section 4 - Check/Evaluate: (4 points) *Is your answer reasonable, why is it correct? Compare to your prediction.*

Problem of the Week

<u>Title</u>

Name: _____
Date: _____
Teacher: _____

Final Scoring: (20 points possible)

Words: _____ (10 points)

Work: _____ (10 points)

Words: Explain or tell in your own words what you did and why you chose to solve this problem the way you did. Please use details.

Show your work below:

Final Answer:

Name: _____

Date: _____

Section 1 - Understand Problem Statement:

Retell or paraphrase the problem of the week in your own words.

Section 2 - Key information needed to solve the problem.

Section 3 - Concepts and strategies you will use to solve the problem.

Section 4 - Using the information you wrote down in sections 2 and 3, make a reasonable prediction and EXPLAIN WHY you predicted what you did.

Name: _____

Date: _____

Section 5: List EACH and EVERY step you took to solve the problem After each step written, state WHY you chose to do that particular step:

Section 6: What was your final answer? Don't forget to label your answer! Does your answer make sense? Why or why not?

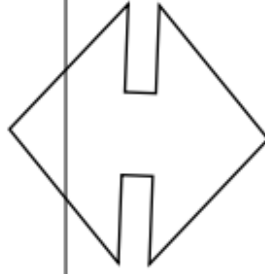
Compare your answer to your prediction. Were you close to your prediction?

The title of the Problem of the Week is (1 pt): _____

Name _____
Date _____
Class _____ (1 pt)

RESTATE:

Retell or paraphrase the problem in your own words. (5 pts).



CREATE A PLAN:

List the strategies you will use (4 pts).

ORGANIZE CRITICAL INFORMATION:

Summarize information needed to solve the problem (5 pts).

PREDICT:

Predict what the answer will be and why. (4 pts).
