

Poster Method Write Up Guide

Paragraph 1: Problem Statement

This problem is called _____. It is about _____. I'm supposed to find _____.

Paragraph 2: Work Write-Up

Explain **step by step**, in detail, everything you did **mathematically** to complete your Data Sheet and arrive at your answer. Write this as if you were writing a recipe for someone to follow or giving a friend exact directions to your house. Use as many of these transition words as you need to describe each of your math steps: **first, next, then, after that, finally**.

Paragraph 3: Answer

My answer is _____. I think my answer makes sense because _____. (Verify or prove your answer by referring to the **math** you did. It is not enough just to write that you checked it on the calculator, or that you checked it twice, or that a friend or parent told you so.)

Problem Method Sample Write Up

This problem is called Counting Marbles. It is about 144 marbles in different bags. I'm supposed to find as many combinations to make 144 equally as I can.

First, I took half of 144 and got 72. Next, I divided 144 by 3 and got 48. Then, I did $144 \div 4$ and got 36 because I knew half of 72 was 36. I tried to divide 144 by 5, but it had a remainder; so I couldn't use it. After that I found the rest of the factors that divided equally into 144. I found out that after 12×12 , all the factors switched places. Finally, I counted all the combinations (I used x's in my diagram) and came up with 15.

My answer is 15. I think my answer makes sense because I made an organized list that equaled 144.