**Mathematical Problem Solving on Numbers and Arithmetic in Upper Primary Mathematics Classroom**

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# Abstract

# Purpose - This paper aimed to present xxxxxxxxxx

**Method** - The module used xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

**Findings** – The module provided teachers xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

**Significance** - The teaching module will provide xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

**Keywords:** Problem solving, Mathematics teaching, Arithmetic, Teaching module

**Introduction**

Problem solving xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

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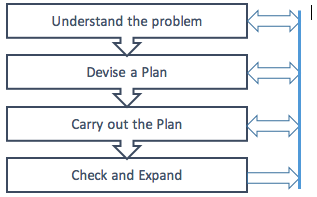
**Theoretical Framework**

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Figure 1

*Work flow*



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**The Problem xxxxxxxxx**

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**Figure 2**

*Page 1 to 4*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Page 1 of the “modified practical worksheet”**  *Problem to be printed at the top of Page 1 of the worksheet.*  Stage 1 - Understand  Heuristic(s) used:   * Restate the problem in another way * Consider a simpler problem * Use a suitable representation * Use suitable notations * Act it out * Others: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  |  |  | | --- | --- | | What do I know? | What is the question asking? | |  |  | | **Page 2 of the “modified practical worksheet”**  Stage 2 – Plan  Heuristic(s) used:   * Work backwards * Guess-and-check * Make a systematic list * Look for patterns * Use equations/algebra * Consider cases * Others: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Page 3 of the “modified practical worksheet”**  Stage 3 - Do  *Space provided for the students to work on the problem* | **Page 4 of the “modified practical worksheet”**  Stage 4 – Check   1. How do you check if your answer makes sense? 2. How do you check if your answer is accurate? |

**Lesson Implementation**

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*Choice of the Problems*

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Table 1 (8.5pt)

*The Main Home Languages*

|  |  |  |
| --- | --- | --- |
| Main |  |  |
| Malay |  |  |
| English |  |  |

**Conclusion**

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##### **Appendix A**

**Xxxxxxxxxxxx**

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