**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 - UnderstandHeuristic(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 – PlanHeuristic(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 – Check1. 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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