



ISSN NO. 2320-5407

ISSN: 2320-5407

# International Journal of Advanced Research

Publisher's Name: Jana Publication and Research LLP

www.journalijar.com

## REVIEWER'S REPORT

Manuscript No.: IJAR-56196

Title : SPECIFIC DIFFICULTIES AND ERRORS PATTERNS EXHIBITED BY STUDENTS WITH MATHEMATICS LEARNING DISABILITY IN PRACTICAL GEOMETRY OF UPPER PRIMARY LEVEL

### Recommendation:

**Accept after major revisions but need to incorporate the suggestions.**

Rating	Excel.	Good	Fair	Poor
Originality		/		
Techn. Quality			/	
Clarity			/	
Significance			/	

Reviewer's Name: Dr. Gaudy C. Ortizo

The focus of this diagnostic study was to analyze the specific difficulties and recurring error patterns exhibited by Grade VIII students with Mathematics Learning Disability (MLD) in performing construction tasks within Practical Geometry, using a criterion-referenced test. Its main strengths lie in its systematic, sub-criterion-measure-wise analysis, which precisely identified the stages where difficulties manifest—such as inaccurate angle construction (100% difficulty), procedural sequencing, and weak instrument handling—thereby providing specific diagnostic data. The study offers opportunities for developing targeted, step-wise remedial instruction, systematic instrument training, and structured verification checklists to address the specific conceptual and procedural gaps observed in MLD students.

### Abstract

### Suggestions:

1. Clearly highlight the salient findings and implications of the study.
2. Briefly state the primary methodological approach (e.g., "developed and administered a criterion-referenced diagnostic test") to contextualize the findings for the reader immediately.
3. The abstract must consist of at least 150 words but no more than 250.

## REVIEWER'S REPORT

### Introduction

#### Suggestions:

1. Explicitly establish the research gap of the study.
2. Clearly define the specific *level* of MLD being studied (e.g., the specific cognitive deficits or subtypes if known) to provide a richer context for the subsequent difficulty analysis.
3. Structure the paragraph linking MLD to geometry difficulties more formally by separating the general MLD description from the specific manifestation in geometry.

### Need and Importance (Significance of the Study)

#### Suggestions:

1. More explicitly link the *lack* of existing studies at the Grade VIII level to the curriculum demands of that specific grade (e.g., construction of complex quadrilaterals) to justify the focus.
2. Emphasize the practical benefit for *remediation specialists* in addition to teachers and curriculum planners, as the findings are diagnostic and error-focused.

### Literature Review

#### Suggestions:

1. Systematically group the psychological factors (e.g., cognitive, emotional, language/symbolic, visual-spatial) and clearly introduce each section with a brief overview paragraph for smoother transition.
2. Use recent citation 2020 onwards for related literature and studies, except for theories.
3. Ensure the transition between the review of MLD difficulties and the statement of the research gap is direct (e.g., explicitly summarizing that existing studies lack diagnostic focus on Grade VIII Practical Geometry).

### Methodology

#### Suggestions:

1. Provide a brief rationale for selecting *CBSE* schools or explain if the curriculum choice influenced the diagnostic tool criteria.
2. Clearly present the *final* total number of items in the Diagnostic Test and the specific number of items dedicated to Practical Geometry for clarity on the test scope.
3. Provide more context regarding the administration of the diagnostic test to the final sample of 22 students (e.g., duration, setting, any observation protocols used during testing).

### Results and Discussion

#### Suggestion:

## REVIEWER'S REPORT

1. Elaborate on the "Partial Achievers" versus "Non-Masters" distinction, especially regarding unattempted angle constructions, by briefly suggesting underlying causes like severe motor or visual-spatial deficits.

### Conclusion

#### Suggestions:

1. Briefly summarize the core **educational implication** (e.g., the necessity of structured, step-wise teaching combined with instrument training) alongside the main findings.
2. Emphasize the unique contribution of the study as a **diagnostic framework** (criterion-wise and sub-criterion-measure-wise analysis) that other researchers or practitioners can replicate.

### References

#### Suggestions:

1. Ensure consistent formatting across all reference entries (e.g., using DOIs when available for all journal articles if possible). Use APA 7<sup>th</sup> edition format.
2. Verify that all cited authors mentioned in the text are accurately and completely listed in the References section.