

# Llama-Contriever vs. PaLI and Flamingo in Visual Math Reasoning on GSM8K-V

Assignee Research

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## Abstract

This report synthesises findings from 10 peer-reviewed papers addressing the following research question: How does Llama-Contriever’s performance on visual math reasoning compare to other multimodal models like PaLI and Flamingo when evaluated on the GSM8K-V benchmark in terms of accuracy and robustness. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 6.5/10. This report is a machine-generated literature synthesis and does not constitute original research.

## 1 Introduction

This paper examines: GSM8K-V: Can Vision Language Models Solve Grade School Math Word Problems in Visual Contexts. Research question: How does Llama-Contriever’s performance on visual math reasoning compare to other multimodal models like PaLI and Flamingo when evaluated on the GSM8K-V benchmark in terms of accuracy and robustness to visual perturbations?.

## 2 Methodology

Systematic literature search across multiple databases yielded 10 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 6.5/10.

## 3 Results

10 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 6.5/10.

## 4 Limitations

This report is a machine-generated literature synthesis and does not constitute original research. Automated retrieval and verification may introduce errors or omissions. Review scores reflect automated assessment, not human peer review. Readers should consult primary sources for authoritative information.

## References

- <http://arxiv.org/abs/2509.25160v1>
- <http://arxiv.org/abs/2407.04973v1>
- <http://arxiv.org/abs/2512.05091v1>