

# **Is Mathematics Unique to Humans?**

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**Abstract:** *Mathematics is often considered a uniquely human endeavor, characterized by abstract reasoning, logical deduction, and the development of complex systems of thought. However, the question of whether mathematics is exclusive to humans or whether it can be found in the behaviors and cognition of other species remains an intriguing topic of inquiry. This research paper examines the evidence for mathematical understanding and usage in non-human species, exploring the evolutionary origins, cognitive mechanisms, and comparative studies in animal behavior. Through a comprehensive literature review and methodological analysis, this study aims to shed light on the extent to which mathematical principles are universal across species and what this implies about the nature of mathematics itself.*

**Keywords:** Mathematics