



Geometry Out Loud: Learning Mathematics Through Reading and Writing Activities

By Mower, Pat

Jossey-Bass, 2006. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: The Author.Acknowledgments.Introduction.Geometry Time Line of the Most Important Geometers and Concepts.PART ONE: Reading to Learn Geometry.1 Prereading Strategies and Activities.Prelude.Review/Preview Process.Knowledge Ratings.Anticipation Guides.PreP (Prereading Plan).Problem-Solving PreP.Wordsmithing.2 Reading and Vocabulary-Building Strategies and Activities.Prelude.Magic Square Activity.Vocabulary Scramble.Concept Circles.K-W-L.Semantic Feature Analysis.Graphic Organizers.Reading Math Symbols.Reading Proofs.Semantic Word Maps.3 Postreading Strategies and Activities.Prelude.Fill in the Picture.Concept Cards.Frayer Model.Question-Answer Relationship (QAR).Comparison and Contrast Matrix.4 Readings in Geometry.Prelude.Reading 1: Early Geometry.Reading 2: Types of Geometries.Reading 3: Important Women Geometers.Reading 4: A Geometric Awakening.PART TWO: Writing to Learn Geometry.5 Writing to Understand Geometry.Prelude.In Your Own Words: A Paraphrasing Activity.Method of Operation.Geometric Figure Description Activity.Crib Sheets.Math Story Activity.Math Advertisements.The Writing Is on the Wall.Creating a Math Mnemonic.Creation of Written Problems.Geometric Concept Paragraphs.Biographies of Geometers.Experimenting-to-Learn-Geometry Reports.Concept Math.Learning Logs.6 Writing to Communicate Geometry.Prelude.Writing Across Campus.Group Exposition.Guided Math Poetry.Math Letters.Geometer Profiling.Math Journals.Mathematical Investigator.7 Writing as Authentic Assessment.Prelude.Muddiest Point.Geometry Analogies.One-Minute Summary.Geometry as a Four-Letter Word!E-Writing.Geometry Similes, Metaphors, and Analogies.Targeted Problem-Solving Assessments.Self-Portrait as a Learner of Geometry.8 Writing for Assessment.Prelude.Math Portfolios.Math Essays.Write Questions.The Geometry of Tessellations.References.



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