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Published Analytics: 2021

Detection and Exploitation of Structural Relationships by A Group of Four Twelfth Graders Working on The Taxicab Problem

Creator Satyen P. Baldev (Rutgers University) Published 2021-07-09 Persistent URL <u>http://dx.doi.org/doi:10.7282/t3-jrpa-3r49</u>

Guess My Rule and Discovery of the Properties of Linear Equations

Purpose Effective teaching; Professional development activity; Student model building; Reasoning; Representation
Creator Joyce Leslie (Video Mosaic Collaborative)
Published 2021-09-15
Persistent URL http://dx.doi.org/doi:10.7282/t3-292j-7p88

Guess My Rule Creates Common Cognitive Challenges for Yonny and Brandon, Ariel and James

Purpose Professional development activity; Student engagement; Reasoning;RepresentationCreator Joyce Leslie (Video Mosaic Collaborative)Published 2021-07-06Persistent URL http://dx.doi.org/doi:10.7282/t3-vx6v-ph24

Guess My Rule Engages Students in Algebra

Purpose Effective teaching; Professional development activity; Student collaboration; Student engagement; Reasoning; Representation
Creator Joyce Leslie (Video Mosaic Collaborative)
Published 2021-06-15
Persistent URL http://dx.doi.org/doi:10.7282/t3-3zv8-n905

Guess My Rule for The Ladder Problem Creates an Algebra Adventure Purpose Effective teaching; Professional development activity; Student engagement; Student model building; Reasoning; Representation Creator Joyce Leslie (Video Mosaic Collaborative) Published 2021-09-15 Persistent URL http://dx.doi.org/doi:10.7282/t3-0k8e-ng27

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Stephanie's Development of Reasoning by an Inductive Argument to Solve Tower Tasks: Part 1 of 3 (Grades 3 & 4)

Purpose Lesson activity; Student collaboration; Student elaboration; Student engagement; Student model building; Reasoning; Representation Creators Usufu Nyakoojo (Rutgers University); Victoria Krupnik (Rutgers University) Published 2020-03-03 Persistent URL <u>http://dx.doi.org/doi:10.7282/t3-hfzp-8376</u>

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A study of Alan's & Erik's Reasoning about fractions through collaboration, argumentation and building Cuisenaire models.

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Purpose Effective teaching; Professional development activity; Student engagement; Reasoning; Representation Creator Joyce Leslie (Rutgers University) Published 2019-08-05

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Developing conceptual understanding of instantaneous change while utilizing physical knowledge in the solution of the catwalk problem.

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Fourth Graders Offer Different Arguments Using Cuisenaire Rods as Models for Fraction Problems.

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Fourth-grade students' (Gang of Four) forms of reasoning and justifications for solutions to Tower Tasks

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Stephanie's use of geometric reasoning to explain binomial expansion.

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Taxicab via Pascal's Triangle to Towers: Building Isomorphisms to Justify.

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In this analytic, we look at instances of Stephanie learning in the property noticing layer of the

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 Creator Victoria Krupnik (Rutgers University)

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 Reasoning; Representation

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