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- A Journey with Tangrams, Tangram 3.2, Macintosh Plus, Nov.-Dec., 201-2.

Statistics

See also Data Analysis.

- Capture and Recapture Your Students' Interest in Statistics. Mar., 412-18.
Means and MADs. Mar., 398-403.
Readers Write. Mar., 348.

Teacher Preparation

- Sharing Reflections on Teaching. May, 542-45.

Teaching Methods

- Call for Manuscripts for the Focus Issue, 2001: A Math Odyssey. May, 498.
Modifying Our Questions to Assess Students' Thinking. Apr., 470-74.
Readers Write. Feb., 323.
Relating Fractions and Decimals: Listening to Students Talk. Feb., 318-21.

Technology

- State-ing the Facts: Exploring the United States. Sept., 8-14. ▲