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Increasing and decreasing of areas.

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Summary: This article explains how to help junior-high school students to enjoy studying geometry using some card magic. Area may be increased and decreased by arranging pieces of a card according to the images on either the front or back of the card. There are some interesting stories associated with this puzzle, e.g. ‘Sunflowers facing the sun’ and ‘The UFO-spotting brothers’.

Classification: A20 G40

Keywords: geometry; area; puzzle; card magic

<http://www.ijpam.eu/contents/2012-80-3/10/index.html>