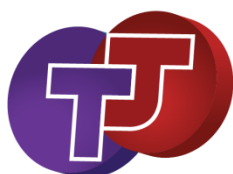




NCTM 2013 Regional Conference - Las Vegas

It's All in the Process: Strategies for Addressing Reasoning: Elementary, Session #17
Thursday, October 24, 2013

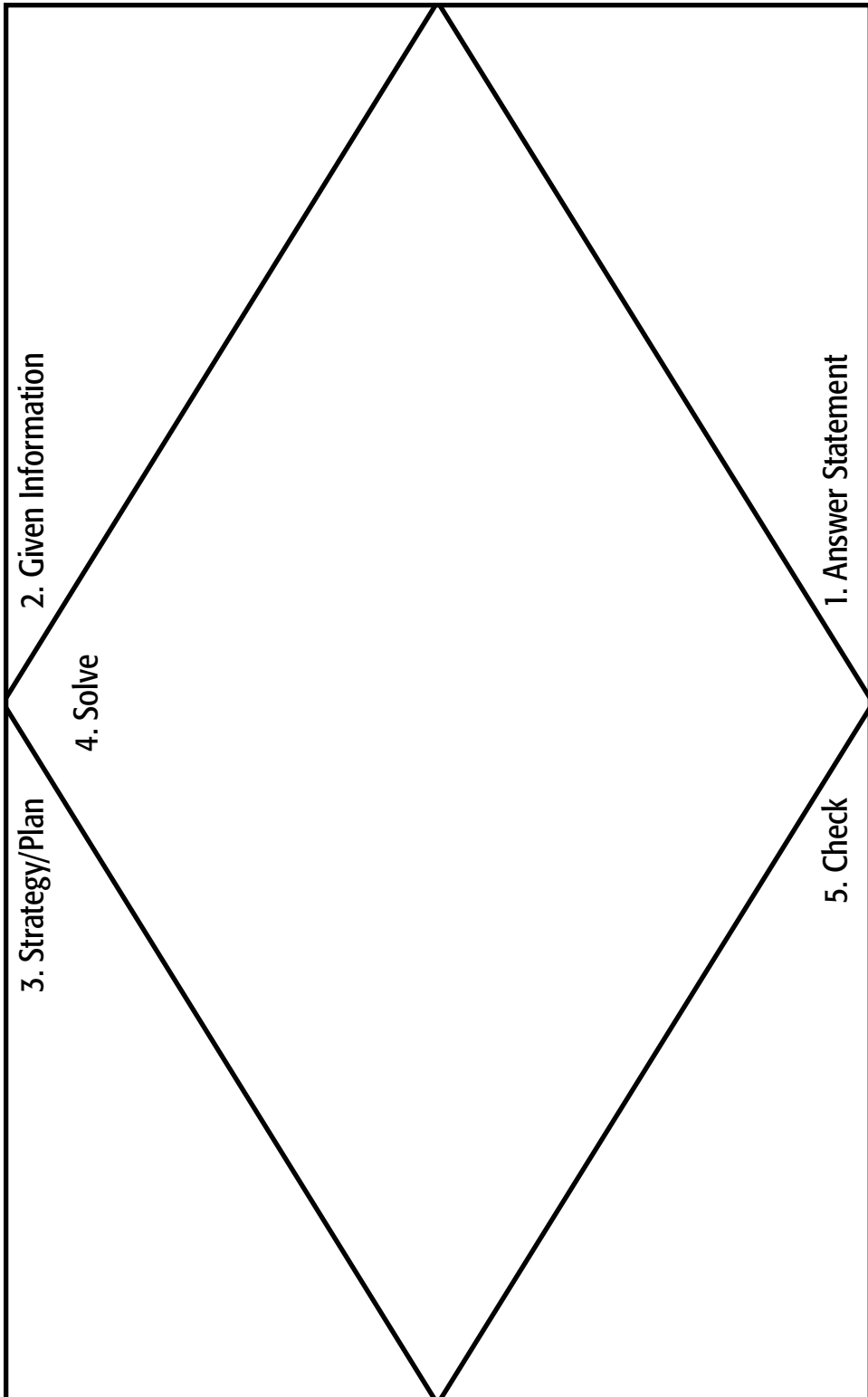
Leslie A. Texas & Tammy L. Jones
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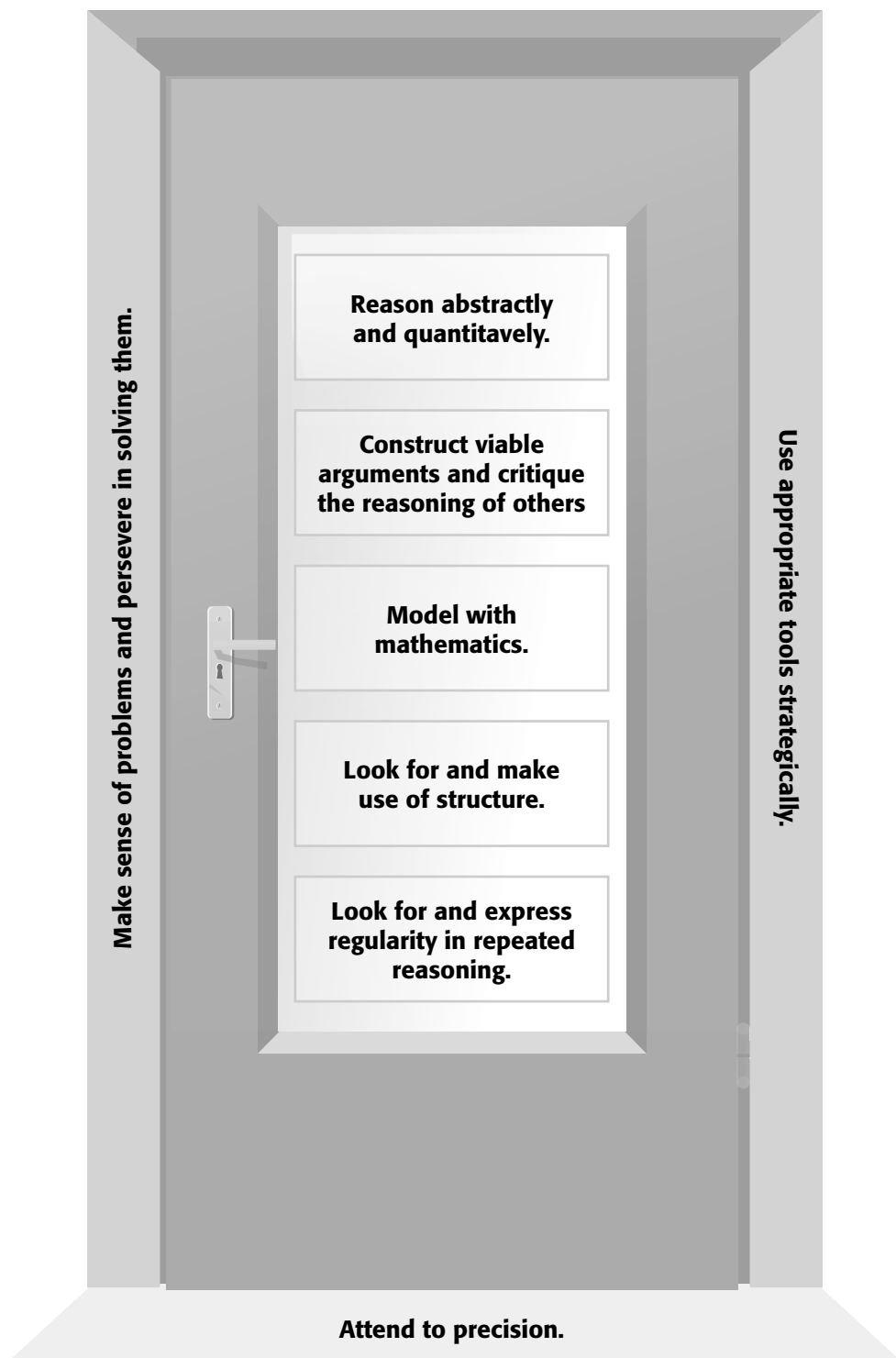
**Texas and Jones
Consulting**

intentional • innovative • inventive
creating and sharing educational experiences

Five-Step Problem-Solving Process



Standards for Mathematical Practice

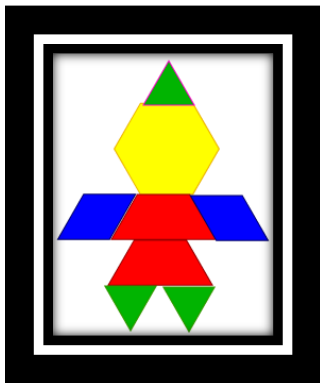


Let's Make a Dollar

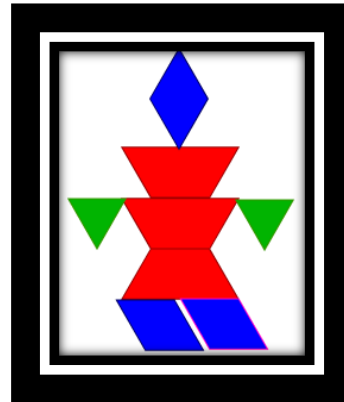
Baylan has a lot of change in his piggy bank. He knows he has pennies, nickels, dimes, and quarters. Grammy has a shiny half dollar she will trade him for 50¢. He shakes out three coins. The first is a quarter; the second is a dime, and the third is a penny. How much more money does Baylan need to shake out to have 50¢ to trade with his grandmother for the half dollar?

At the Art Auction

Eson made Picture A from his pattern blocks. Baylan made Picture B from his pattern blocks. If the hexagon is worth \$0.60, whose picture is worth more? How do you know?



Picture A



Picture B

Selling the Farm

Farmer Jones is selling his land. It is in the shape of a square.

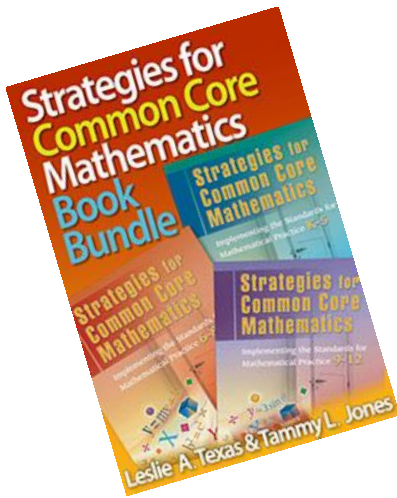
Mrs. Jones loves to play with tangrams. She convinced Farmer Jones to divide his land into seven pieces just like a tangram puzzle. Farmer Jones wants to make \$8400 when he sells all of his land. How much should he price each section of the square?

Resources:

NCTM Illuminations Patch Tool: <http://illuminations.nctm.org/ActivityDetail.aspx?ID=27>

NCTM Illuminations Dynamic Paper: <http://illuminations.nctm.org/ActivityDetail.aspx?ID=205>

NRich: <http://nrich.maths.org/frontpage>



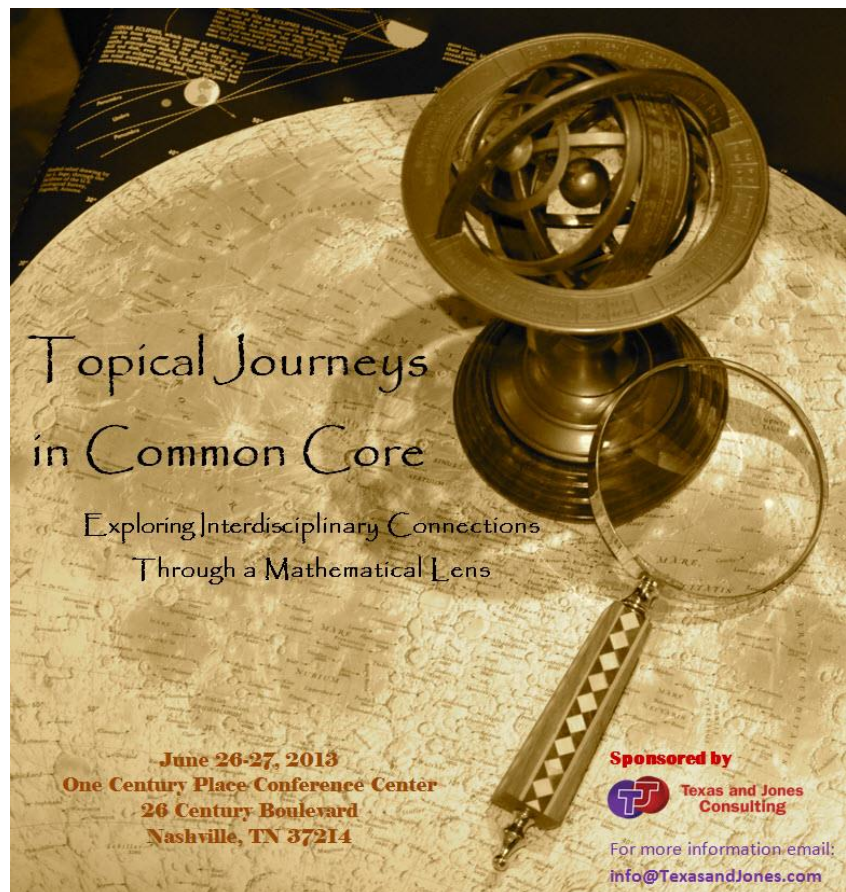
This new, practical book provides an explanation of each of the eight mathematical practices and gives elementary school educators specific instructional strategies that align with the Common Core State Standards for Mathematics.

Math teachers, curriculum coordinators, and district math supervisors get practical ideas on how to engage elementary school students in mathematical practices, develop problem-solving skills, and promote higher-order thinking. Learn how to scaffold activities across grades and get strategies you can implement immediately in your classroom. All mathematics educators should have the grade band book from this series in their professional libraries!

See books online at:

[Routledge Taylor & Francis Group](http://www.routledge.com/9780805838881)

Plan a trip to Nashville, Tennessee this summer to participate in Topical Journeys in Common Core. This K-12 conference will explore interdisciplinary connections through a mathematical lens. Sessions for all grade bands.



Register online at:

<http://events.constantcontact.com/register/event?llr=nlgz9voab&oeidk=a07e8d0kfxzf38e6f14>