

The Square Route

A Mathematical Journey

June 2011



Learning Communities

Starting next year, there are some exciting professional developments around assessment and differentiation in the elementary classroom.

The Elementary mathematics committee is proud to present learning teams that will give teachers the opportunities to network and delve into their own questions around good mathematics instruction.

For more information, go to the staff development calendar from the district's homepage.



For Secondary teachers, check out the school cross-curricular learning teams. This opportunity is for groups of teachers from each school to work collaboratively around inquiry questions of their choice.

Blogs and Twitter

Are you on Twitter? Do you use a blog in your classroom? Let me know and I can send out the informational links!

Let me know at brynm.williams@sd41.bc.ca!

Contact Us

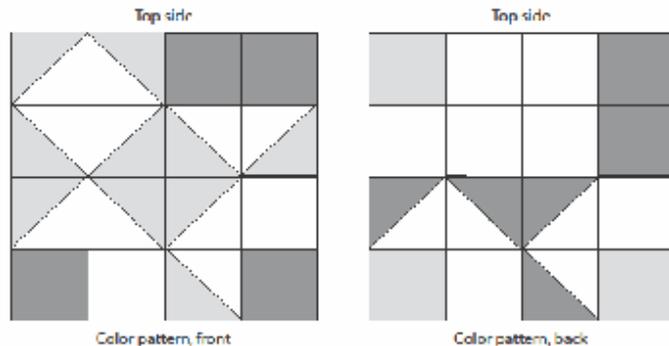
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Problem of the Month:
Part one: 0, 5, 7, 10, 12, 15, 22
Part two: maximum score possible: 150

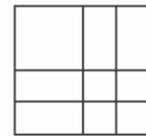
Mathematics Games

Colored Squares

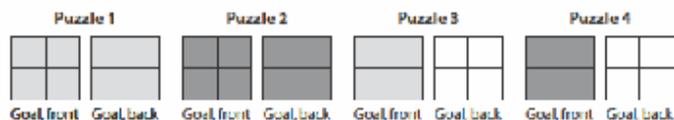
designed by Erik Demaine and Martin Demaine, 2005



Setup: Start with a piece of paper that is white on both sides. Precise to make a 4 x 4 grid of creases as shown on the right. Color in the pattern shown above for each side using two different shades or colors. Be careful when you turn over the puzzle that you keep the side marked "top side" on top. Also be sure to use ink that does not bleed to the other side.



Goals: Puzzle 1 is to fold the 4 x 4 square to a 2 x 2 square that is entirely light gray on both sides. Puzzle 2 is to fold a 2 x 2 square that is entirely dark gray on both sides. You will use all of the available light or dark gray in each of these puzzles. Puzzle 3 is to fold a 2 x 2 square that is entirely light gray on one side and entirely white on the other side. Puzzle 4, the hardest, is to fold a 2 x 2 square that is entirely dark gray on one side and entirely white on the other side. In all puzzles, you may fold anywhere, but you may not cut or tear.



BCAMT Fall Conference

On the October 21st PSA day, Burnaby is proud to host the annual BCAMT Fall conference. The planning committee is working hard to make this one extra special for all teachers of mathematics from kindergarten through to grade twelve and above.

Please consider submitting a proposal to present to showcase the great work that Burnaby teachers are doing collaboratively, individually and cross-curricular.

If you do not wish to present, make sure you attend. You can submit your detached duty forms either in June or at the beginning of September.

Go to www.bcamt.ca for more information.

