



# An Online Workshop Explores Tools for Building Crucial Elementary Math Concepts

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Session 288, 2008 NCTM Annual Conference

Thursday, April 10, 3:30 pm - 4:30 pm

Level: 3 - 8

## ***Tools for Building Math Concepts***

*an online workshop for teachers of grades 3-5*

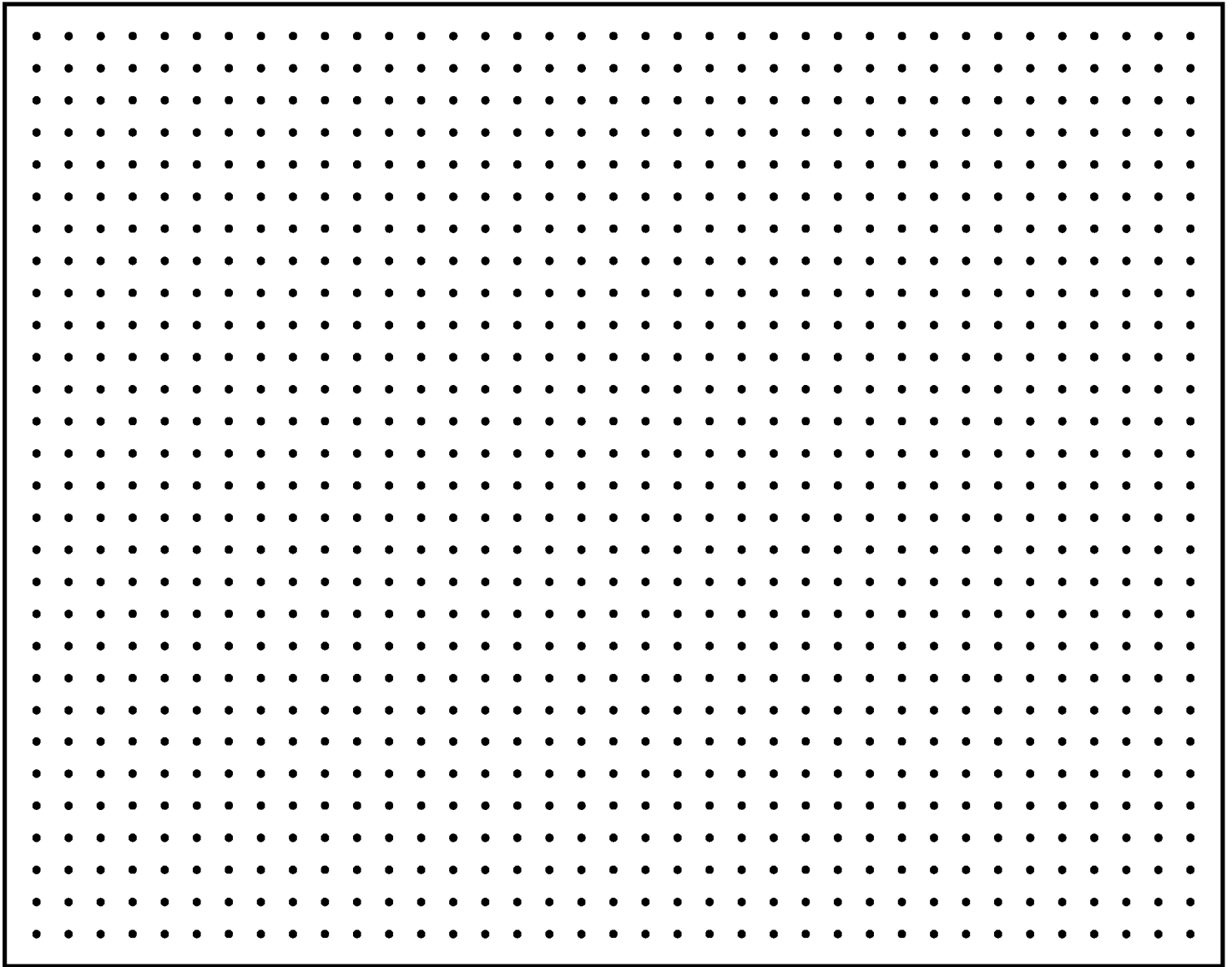
Get more information or register to participate at

**<http://mathforum.org/toolsandconcepts/>**

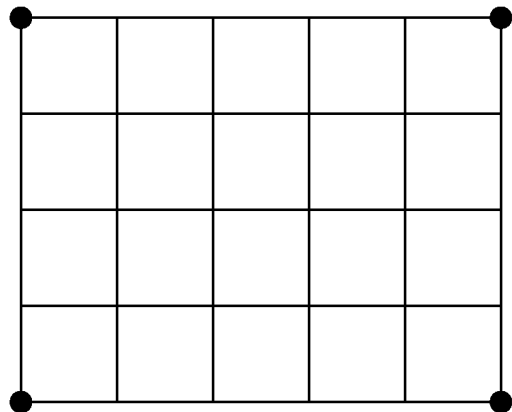
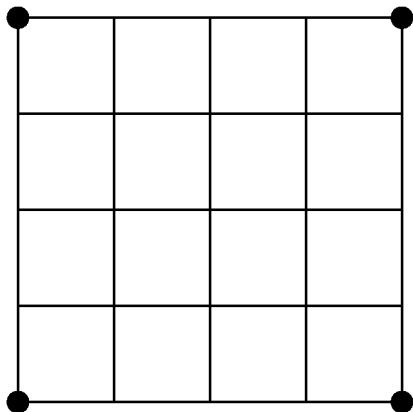
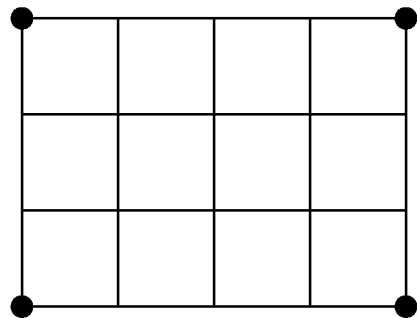
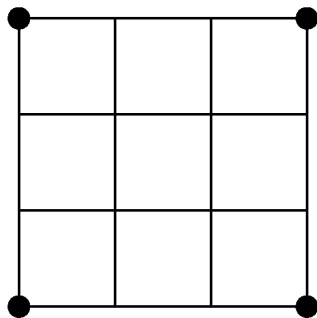
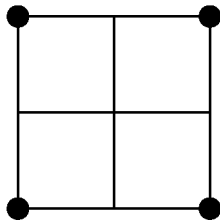
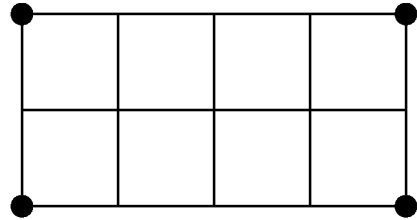
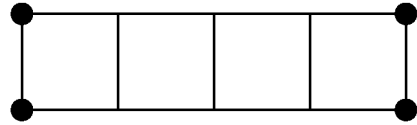
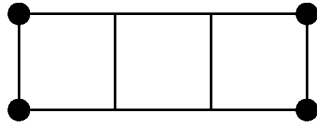
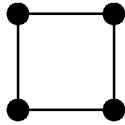
To see the web pages and access the applets used in this talk, as well as the pages for all of the Math Forum's talks at NCTM, visit

**<http://mathforum.org/workshops/nctm2008/>**

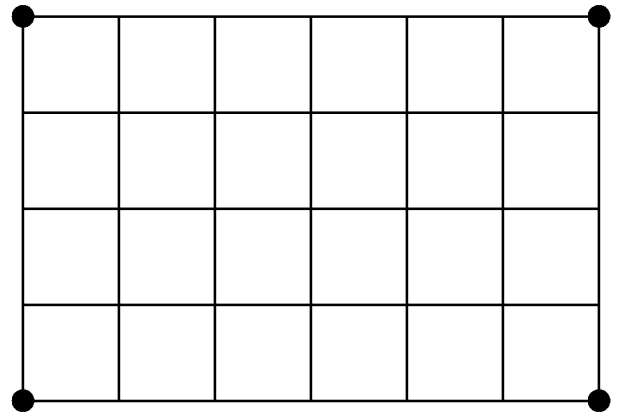
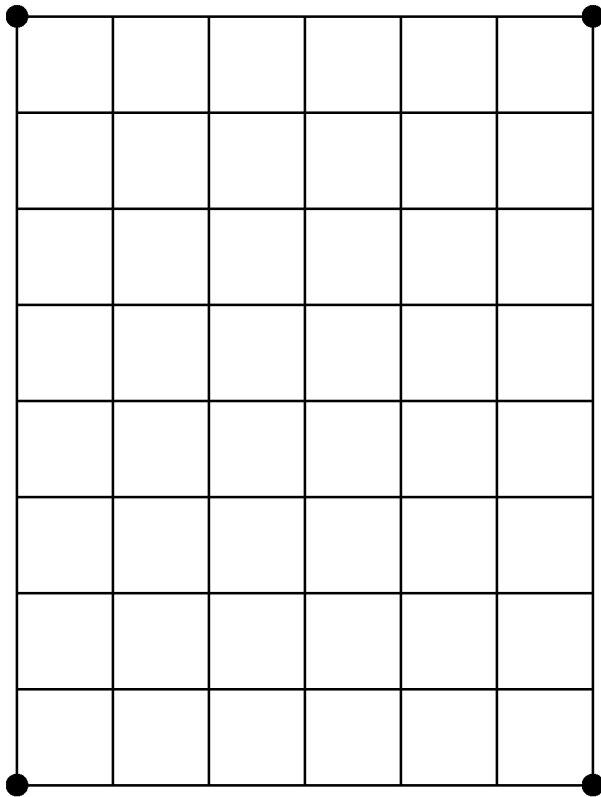
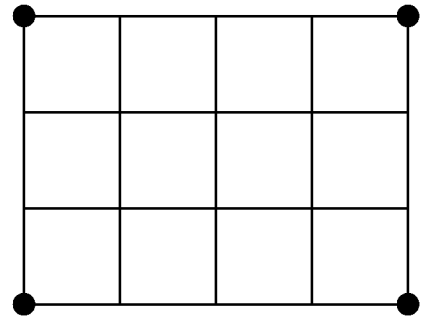
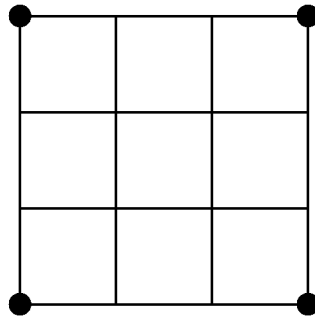
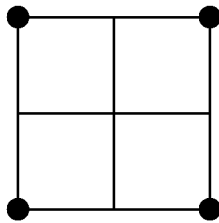
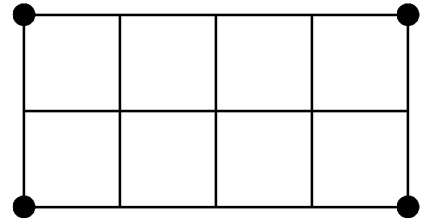
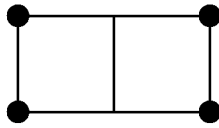
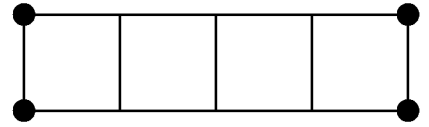
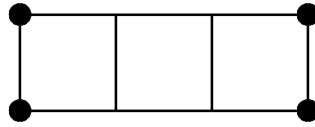
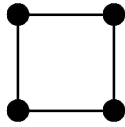
# Frog Farming, using the Geoboard from NLVM



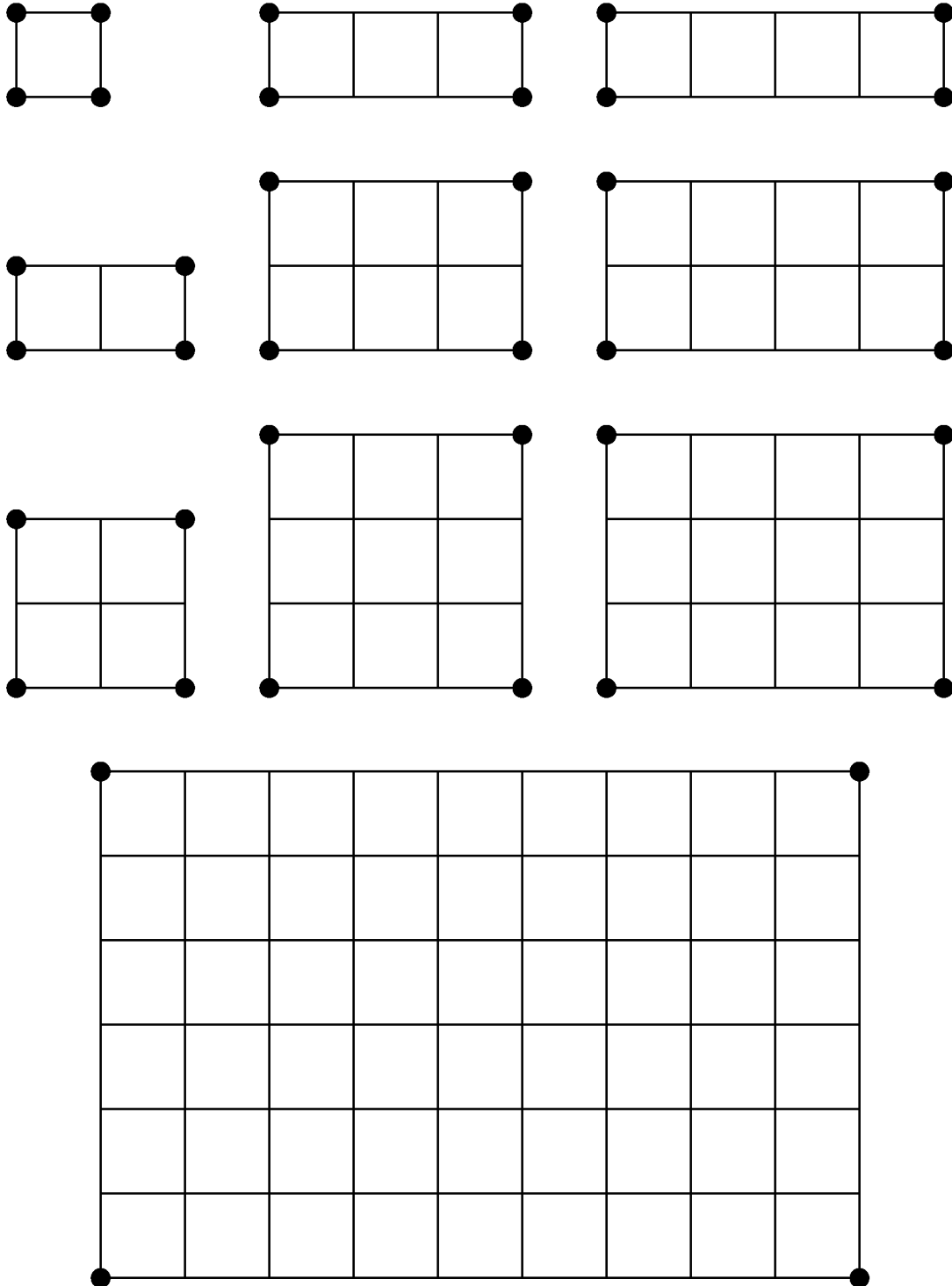
# Pool Investigations, using Paper Pool from NCTM's Illuminations



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# Balloon Booths, using Scale 'n Pop from the Math Forum's ESCOT project

Choose a booth:  1  2  3  
Starting with Booth 1:

original diameter \* scaling fraction = scaled diameter  
24    1/1    24

The interface shows a top-down view of a booth with two blue rectangular tables. Below the tables are two balloons: a red outline and a solid orange one. A control panel at the bottom contains a formula, input fields for diameter (24), scaling fraction (1/1), and scaled diameter (24), along with 'Reset', 'Scale', and 'Release' buttons.

Choose a booth:  1  2  3  
Starting with Booth 1:  
On booth 2 you tried:

original diameter \* scaling fraction = scaled diameter  
24    1/1    24

The interface is similar to the first screenshot, but the second radio button for Booth 2 is selected. The text in the right-hand window now includes 'On booth 2 you tried:'.

Choose a booth:  1  2  3  
Starting with Booth 1:  
On booth 2 you tried:  
On booth 3 you tried:

original diameter \* scaling fraction = scaled diameter  
24    1/1    24

The interface shows the third radio button for Booth 3 selected. The text in the right-hand window now includes 'On booth 3 you tried:'. Additionally, the two blue rectangular tables in the booth view are now smaller than in the previous screenshots.