# January 30th BMTC
# Mathematical Tiling & Organization

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Abstract: There are many mathematical problems that involve tiling (covering) all the squares on a chessboard with tiles of various sizes. We'll be talking about these problems and then taking tiling to the next level, with new shapes and sizes of tiles covering all types of surfaces. Plan to roll up your sleeves and move those tiles around.

Question…

What is a mathematical tiling?

Question…

What shapes can you tile if you can only use 2 square tiles of $2^n$ length?

Question…

Is it possible to tile a 7x7 board with 2 x 1 tiles?

Question…

How many pentominoes (shapes that use 5 squares) are there?

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