

Welcome to Mth 171

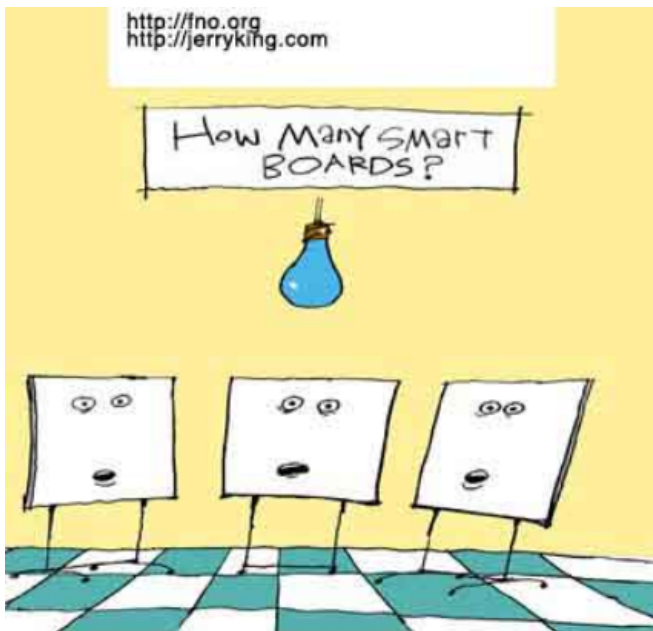
Geometry for Elementary Teachers

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Title



"How many smart boards does it take to change a light bulb?"
"It sure beats me. What's the answer?"
"None, stupid. It takes a human to do that. We can only change classrooms, not light bulbs."

Introductions



Course Calendar

Syllabus

Activity: Paper Pool



Homework!

Sec. 2.1 (Billiards)
2-13, 17-18, 21-22

Keep it organized: You may use this in your portfolio!

Overview

About Me:

Name

Educational Background

Educational Future (Plans)

Favorite Subject

Least Favorite Subject

Big Life Events?

[Back to Overview](#)



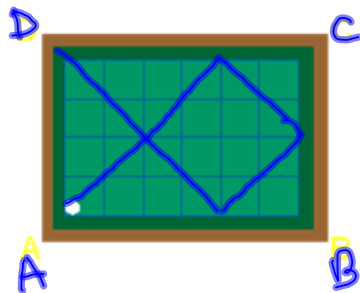
About Me

Sec. 2.1

Paper Pool

How to Play Paper Pool

- The lower-left corner is always corner A, and the labeling continues counterclockwise with B, C, and D.
- The ball always starts in corner A.
- The ball is hit with an imaginary cue (a stick for hitting a pool ball) so that it travels at a 45° diagonal across the grid.
- If the ball hits a side of the table, it bounces off at a 45° angle and continues its travel.
- The ball continues to travel until it hits a pocket.

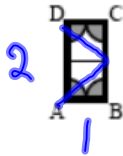


Paper Pool

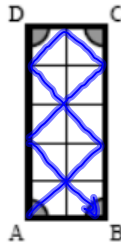
Paper Pool Tables

NAME _____

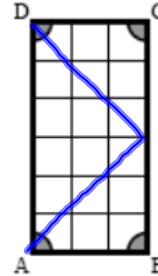
On each of the pool tables below, a ball is hit from corner A at a 45° angle. Determine the corner in which the ball will eventually land, the number of hits, and the dimensions of the table.



Corner: D
 Hits: 3
 Dimensions: 2x1



Corner: B
 Hits: 7
 Dimensions: 5x2



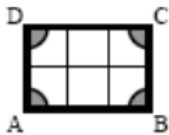
Corner: D
 Hits: 3
 Dimensions: 6x3

Paper Pool

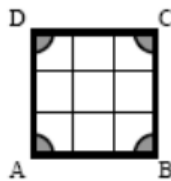
Paper Pool Tables

NAME _____

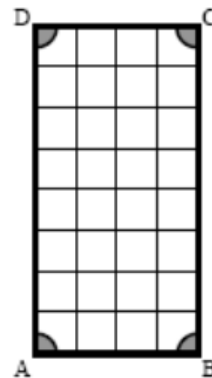
On each of the pool tables below, a ball is hit from corner A at a 45° angle. Determine the corner in which the ball will eventually land, the number of hits, and the dimensions of the table.



Corner: _____
 Hits: _____
 Dimensions: _____



Corner: _____
 Hits: _____
 Dimensions: _____

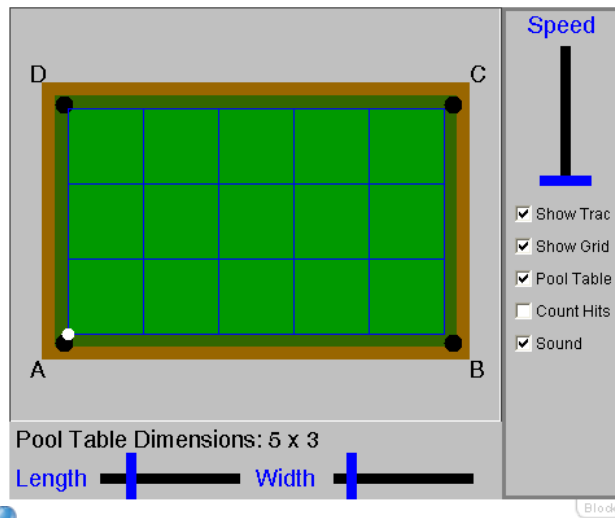


Corner: _____
 Hits: _____
 Dimensions: _____

Sep 2-1:44 PM

Paper Pool

<http://illuminations.nctm.org/LessonDetail.aspx?ID=L419>



<http://illuminations.nctm.org/Lessons/imath/Pool/PoolTable/pool.html>

Sep 2-1:44 PM

Sep 2-1:52 PM