

AREA DICE

Challenge



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Area Dice Challenge

Instructions

Objective:

A strategic and educational game that combines math skills with physical exercise. Two players compete to cover the most area on a game grid by rolling dice and calculating rectangular areas, followed by performing exercises based on the area covered.

Players:

Two participants per game card.

Materials:


- Two six-sided dice for each participant.
- A printed game grid (PDF).
- Two different coloured markers.

Setup:

Each player starts at opposite ends of the game grid with their dice and markers.

Gameplay:

- Rolling for Area: Players roll their dice to determine the dimensions of a rectangle they'll colour on the grid.
- Calculating Area: The numbers rolled represent the length and width of the rectangle. Players calculate the area and colour it on the grid.

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- **Exercise Challenge:** After colouring, players roll one dice to determine an exercise, performing reps equal to the area they covered.
 - **Game Progression:** Players continue rolling, colouring, and exercising, filling up the grid.
 - **Game Duration:** Set a time limit or play until the grid is full.

Winning the Game:

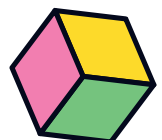
The winner is the player who colours the largest total area on the grid.

Variations for Different Settings:

- **Educational Edition:** Focus on enhancing math skills through area calculation.
- **Fitness Edition:** Include various exercises for a full-body workout.
- **Competitive Edition:** Introduce strategic elements, like blocking the opponent's moves.

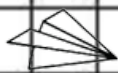
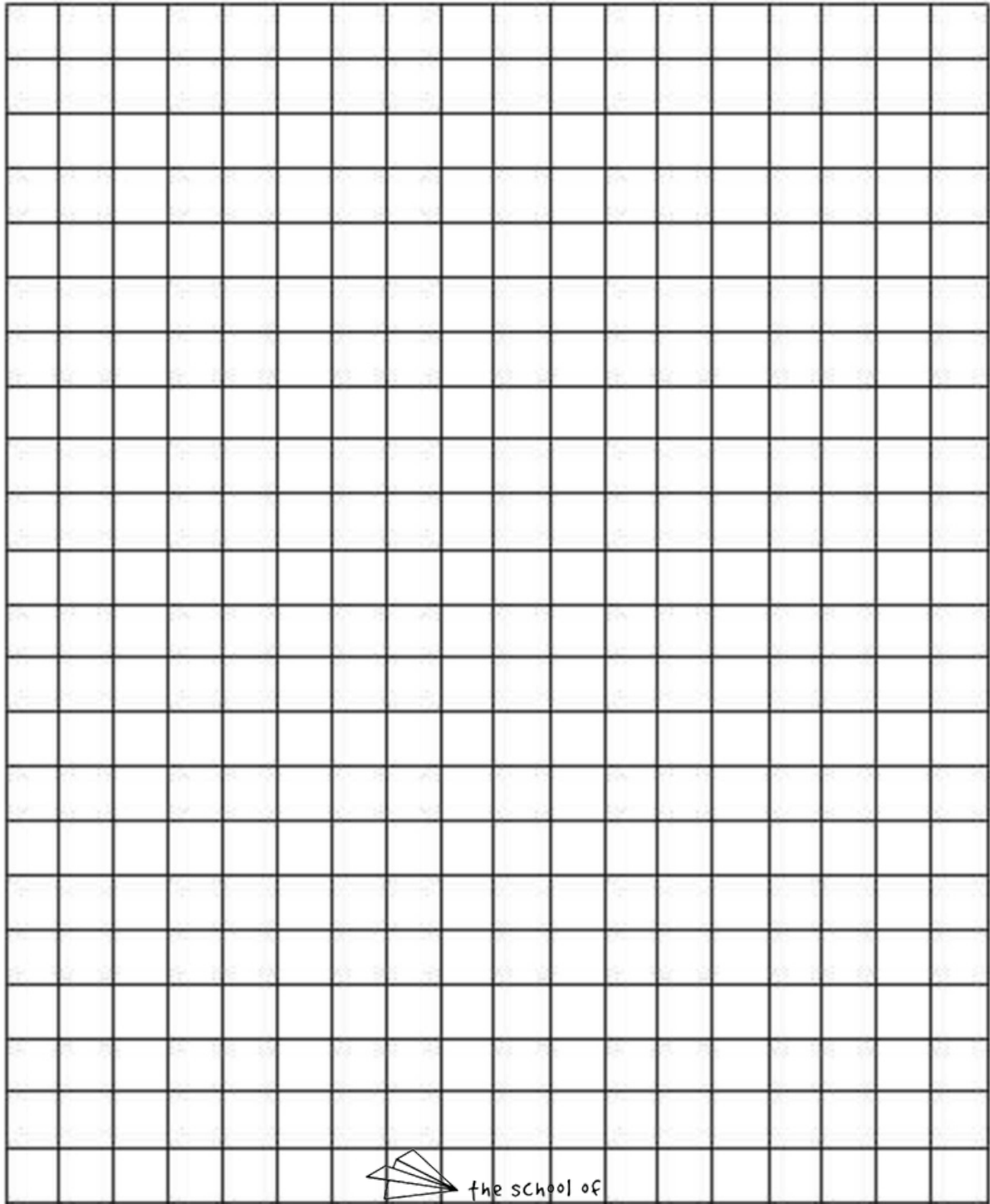
Additional Notes:

- **Area Dice Challenge** is an engaging way to combine learning with physical activity.
- It's suitable for various ages, promoting both cognitive and physical skills.
- The game can be adapted for different skill levels and educational focuses.



Area Dice Challenge

Player one starts this end



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Player two starts this end

Dice rolls	Exercise too complete
One	Squats
Two	Lunges
Three	Push ups
Four	Squat thrusters
Five	Sit ups
Six	Plank jacks

A full page of blank graph paper with a uniform grid of small squares. The grid consists of 20 columns and 20 rows, creating a total of 400 small square units. The lines are thin and black, set against a white background. There are no margins or additional markings on the page.

Dice rolls	Exercise too complete
One	
Two	
Three	
Four	
Five	
Six	

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