

Tiling Patios

This game can be played by two to four players.

MATERIALS

- $\frac{1}{2}$ sheet of *Grid Paper* per player
- Spinner 1 – 4
- Spinner 1 – 10
- A crayon or colored pencil for each player

RULES

1. The first player makes two spins so that he or she has two numbers. The player may either spin one spinner twice or spin each spinner once.
2. After spinning twice, the player must then find the product of the two numbers he or she spun. For example $2 \times 6 = 12$
3. After finding the product, the player colors in a rectangle that has the same number of grid squares on the grid paper. For example, he or she might color in 2 rows of 6 squares for a total of 12 squares or 6 rows of 2 squares or 1 row of 12 squares. All the squares colored in must connect so that they form a rectangle.
4. Once the player has made his or her rectangle, the player draws an outline around the rectangle. The player writes the number sentence inside. For example, a player who colored in 2 rows of 6 squares would write “ $2 \times 6 = 12$.” A player who colored in 6 rows of 2 squares would write $6 \times 2 = 12$...”
5. Players take turns spinning and filling in their grids.
6. After spinning, if a player is unable to fill in a rectangle he or she loses the turn.
7. The first player to fill in his or her grid paper completely wins the game.
8. If no player is able to color in a rectangle in three rounds of spinning, the player with the fewest uncolored squares left on the grid is the winner.

