

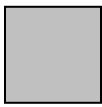


## Directions: Product Game

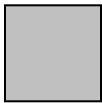


Materials: deck of digit cards, dice, graph paper, recording sheet

### 1. Each player



Rolls two dice



Draws two cards

2. Multiply the 2 numbers. This is your area measurement.

2. Draw as many DIFFERENT arrays (maximum 4 different arrays) as you can on your graph paper with that area. Label each rectangle's dimensions.

3. Exchange papers with your partner to check that all arrays are correct and have the correct area.

4. For each round, fill in the recording sheet for your turn.

5. The partner with the most correct arrays wins the rounds.

- 2011 MA Frameworks: 3.OA.7- Fluently multiply within 100.
- 2011 MA Frameworks: 3.MD.7a- Relate area to the operation of multiplication. Find the area of a rectangle with whole number side lengths by tiling it, and show that the area is the same as would be found by multiplying the side lengths.

### Product Game

Round	Area	Multiplication Equation	Dimension of Arrays	# of Correct Arrays
Round 1				
Round 2				
Round 3				
Round 4				
Round 5				