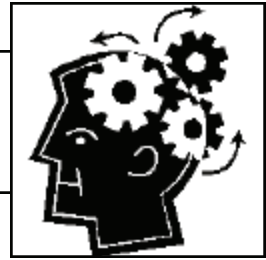


Guess My Rule: The Function Machine Game



Materials (per partners):

- Guess My Rule card deck (Copy decks onto different color card stock, if possible)
- Function Machine template in sleeve protector
- Dry-erase pen and eraser

Directions:

- Partner A shuffles the card deck and turns over the first card without showing it to Partner B.
- Partner B uses the Function Machine template and records an “in” number.
- Partner A uses this number in the rule from the card. Partner A announces the “out” number.
- Partner B writes the number in the “out” column on the Function Machine template.
- Partner B records a different “in” number on the Function Machine template.
- Partner A again uses this number in the rule and announces the “out” number.
- Player B records the “out” number in the appropriate place on the Function Machine in/out table.
- Player B may guess the rule at any time by writing the rule in the rule space on the function machine and saying it aloud.
- If Player B’s rule is correct, he/she scores one point for each number in the “in” column (e.g. one point for each guess).
- If Player B’s rule is not correct, he/she writes down another “in” number and play continues until Player B identifies the correct rule.
- Players switch positions. Player B draws a card and Player A must now use the Function Machine Template to record “in” and “out” numbers.
- The game consists of 3-5 rounds. Player with the **lowest** score wins since this is the player who guessed the rule with the fewest clues.

Differentiation:

- Use different decks to best match ability levels (e.g. only addition and subtraction for a basic game or two-rules cards for enrichment)

Rule: Add 5

Rule: Subtract 3

Rule: Add 8

Rule: Subtract 1

Rule: Add 2

**Rule: Add the
number**

Rule: Add 10

Rule: Subtract 2

Rule: Add 4

Rule: Add 7

Rule: Add 20	Rule: Subtract 5
Rule: Multiply by 2	Rule: Multiply by 5
Rule: Multiply by 3	Rule: Add the number
Rule: Multiply by 10	Rule: Multiply by 4
Rule: Multiply by 6	Rule: Multiply by 9

**Rule: Multiply by 2
then add 3**

**Rule: Multiply by 3
then add 5**

**Rule: Multiply by 2
then subtract 1**

**Rule: Multiply by 5
then add 2**

**Rule: Multiply by 3
then add 1**

**Rule: Multiply by 10
then subtract 3**

**Rule: Multiply by 4
then add 7**

**Rule: Multiply by 2
then add 9**

**Rule: Multiply by 6
then subtract 1**

**Rule: Multiply by 9
then add 4**

**Guess My
Rule**

**Guess My
Rule**

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Rule**

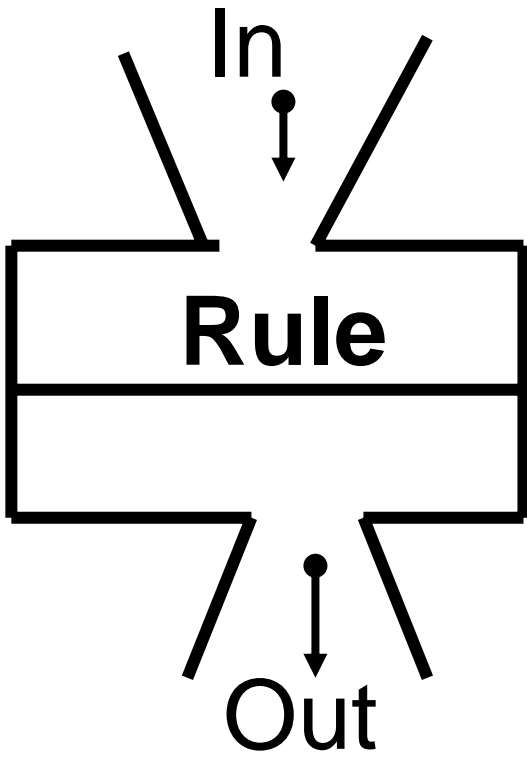
**Guess My
Rule**

**Guess My
Rule**

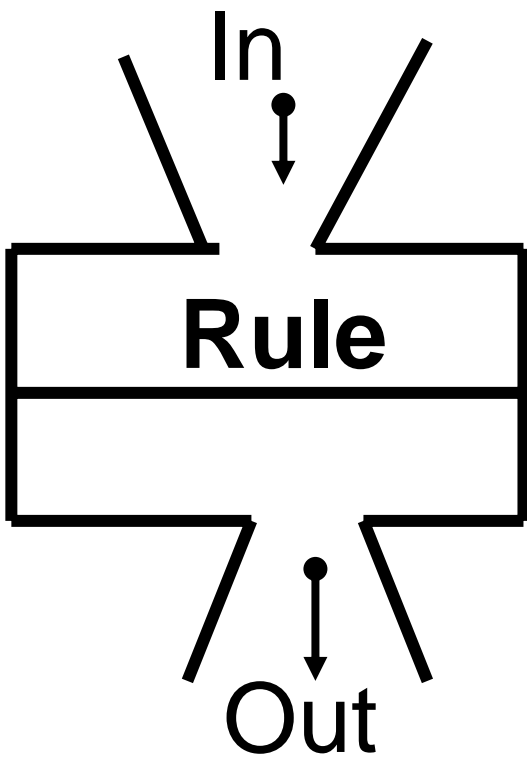
**Guess My
Rule**

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**Guess My
Rule**



In	Out



In	Out