# Note Connections Math Activities

## Grade 3

Patterning and Algebra





Home Connections Grade 3: Patterning and Algebra

### Multiply By 0 And 1

#### **Materials**:

#### • Dice 🌒

• A spinner made with a paperclip, pencil, and the attached spinner circle.

#### Rules:

1. Each player rolls a die. The sum of the dice is the target number.

2. Player A rolls the die and spins the spinner.

Example:

The player rolls a 1

and spinner lands on So the answer would look like this. multiply by 1







- 3. Player A multiplies the number on the regular die by either 1 or 0, according to the instruction shown on the spinner. The player records the answer on his or her paper.
- 4. Player B takes a turn. Players continue to take turns back and forth until both players have had 10 turns.
- 5. Players add the numbers on their paper.

The player with a total closest to the target number wins the game.

Any number multiplied by zero is zero. Any number multiplied by one is the number. Let's Talk About It • Was it better to multiply a number by 0 or 1, to have a game total closest to the target number? Why?

Home Connections Grade 3: Patterning and Algebra