

## **Game Modifications From Math Workshop 5<sup>th</sup> Grade**

### **Multiple Bingo (Picturing Polygons):**

#### ***Ideas to Simplify***

- Use only top half of the game card
- Have them only get 4 in a row
- Create and use lists of multiples
- Use a multiplication table
- Have 300 charts available
- Include more cards with 2, 5, etc. (easy to find multiples)
- Use divisibility rules:
  - Multiples of 2 end in 2,4,6,8,0
  - Multiples of 3 have digits when added together are multiples of three: 24 (2+4=6) 6 is a multiple of 3 so 24 is too.
  - ETC.

#### ***Ideas to Challenge***

- Use only the bottom half of the game card
- Take out the lower number cards (easy multiples like 1,2,5,10)
- Must have six in a row
- Allow only ten seconds per card to find multiple
- Play with a partner, use one board, and try to block each other
- Use a 300 chart as a game board
- Turn over two cards at a time and find a multiple of both numbers  
(This would work best using a 300 chart for a game board)

### **The Factor Game (CMP):**

#### ***Ideas to Simplify***

- Design a game board that has doubles of common factors and no prime numbers
- Work with a partner not against each other to draw a card and together find the factors

#### ***Ideas to Challenge***

- Play using a 100 or 300 chart as a game board
- Computer play allows players to select level of challenge
- Have students create their own factor game board to play with a partner

### **Roll Around the Clock (Name that Portion)**

#### ***Ideas to simplify***

- Use the smaller fraction dice only
- Begin with simple fractions or make dice with only twelfths or only fourths, or thirds etc.

#### ***Ideas to Challenge***

- Write out the fractional expression
- Race to the first to 24 hours
- Start and end with other than the exact hour: End on 7/12 or 1/3 etc.
- Eliminate twelfths
- After series of rounds, compare NET scores to determine winner
- Attach percentages to rounds
- Include subtracting of fractions