Number Puzzles and Multiple Towers



Multiplication Compare

You need

• Compare Cards (1 deck per pair)

Play with a partner.

- Divide the deck of cards evenly so that both players have the same number of cards. Place the cards facedown in a stack in front of you.
- **2** Each player turns over the top two cards in his or her stack.
- 3 Determine which player has the greater product. Discuss how you know which product is greater.
- The person with the greater product takes all of the cards that have been turned over and places them at the bottom of his or her stack.
- If the products are equal, players turn over two new cards. The person with the greater product takes all of the cards.
- 6 Play for a given amount of time or until one player has all of the cards. The player with more cards wins.

Variation

You need

Digit Cards (1 deck per pair)

Play the same game using Digit Cards with the "0" cards removed. Each player draws 4 cards. Using the cards in the order they were picked, each player forms two 2-digit factors. (For example, if you picked 7, 2, 3, 8, your multiplication problem would be 72×38 .)