

# Multiplication Compare

## You need

- Compare Cards (1 deck per pair)

## Play with a partner.

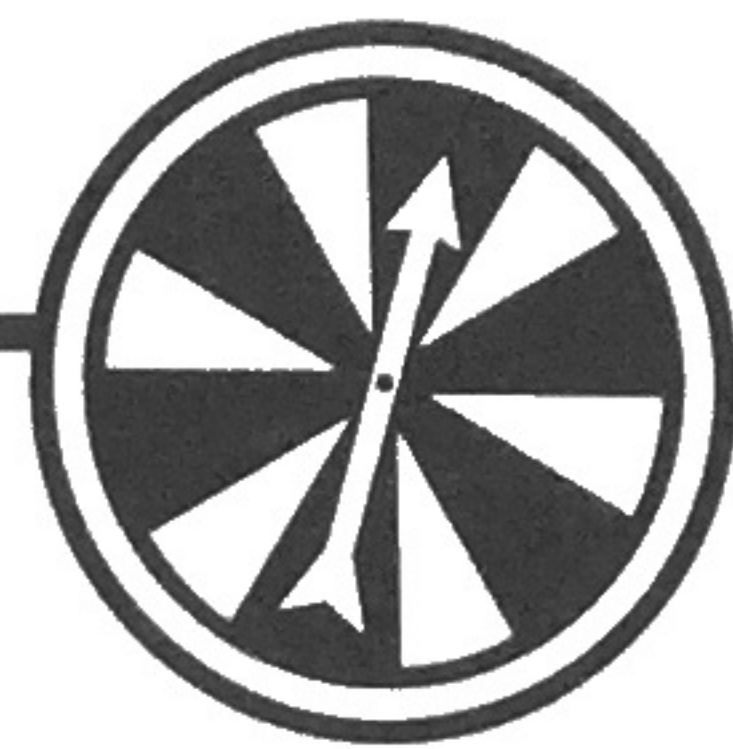
- 1** Divide the deck of cards evenly so that both players have the same number of cards. Place the cards facedown in a stack in front of you.
- 2** Each player turns over the top two cards in his or her stack.
- 3** Determine which player has the greater product. Discuss how you know which product is greater.
- 4** 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.
- 5** 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  $72 \times 38$ .)



# ***Multiplication Compare*** Recording Sheet

After you have played a few rounds of *Multiplication Compare*, complete this sheet.

Place a  $<$ ,  $>$ , or  $=$  in the box between the problems.

**1.** Your problem:

Partner's problem:

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} \quad \square \quad \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$$

How did you decide whose problem had the greater product? Explain your reasoning.

**2.** Your problem:

Partner's problem:

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} \quad \square \quad \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$$

How did you decide whose problem had the greater product? Explain your reasoning.

**3.** Your problem:

Partner's problem:

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} \quad \square \quad \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$$

How did you decide whose problem had the greater product? Explain your reasoning.

Name \_\_\_\_\_

Date \_\_\_\_\_

**Number Puzzles and Multiple Towers**

# Digit Cards (page 1 of 3)



0	0	1	1
0	0	1	1
2	2	3	3
2	2	3	3

# Digit Cards

 (page 2 of 3)

4

4

5

5

4

4

5

5

66

7

7

66

7

7

Name \_\_\_\_\_

Date \_\_\_\_\_

**Number Puzzles and Multiple Towers**

# Digit Cards (page 3 of 3)



8

8

9

9

8

8

9

9

WILD  
CARD

WILD  
CARD

WILD  
CARD

WILD  
CARD