

# Division Compare

## You need

- Compare Cards (1 deck per pair)

## Play with a partner.

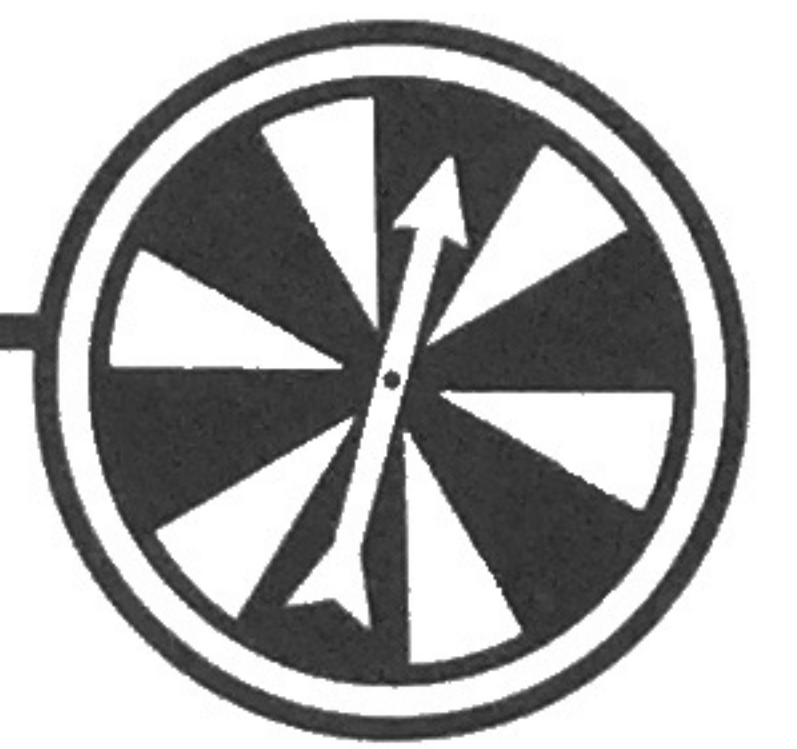
- 1 Divide the deck of cards evenly so that each player has the same number of cards.
- 2 Each player turns over two cards.
- 3 Using the larger number as the dividend and the smaller number as the divisor, make a division problem. (For example, if your cards are 80 and 700, the division problem is  $700 \div 80$ .)
- 4 Estimate, compare, and reason about the relationships of the numbers to figure out which player has the greater quotient (answer). Discuss how you know which answer is greater.
- 5 The person with the greater quotient takes all of the cards. If the quotients are equal, players turn over two new cards and the person with the greater quotient takes all of the cards.
- 6 Play for a given amount of time or until one player has all of the cards.

## Variation

### You need

- Digit Cards (1 deck per pair)

Play the same game using Digit Cards with the "0" cards removed. Each player draws five cards. Using the cards in the order they were picked, choose the first three cards to form the dividend and the last two cards to form the divisor. (For example, if you picked 8, 1, 5, 9, 4, your division problem would be  $815 \div 94$ .)



# *Division Compare* Recording Sheet

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

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

**1.** Your problem:

Partner's problem:

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

How did you decide whose problem has the greater quotient? Explain your reasoning.

**2.** Your problem:

Partner's problem:

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

How did you decide whose problem has the greater quotient? Explain your reasoning.

**3.** Your problem:

Partner's problem:

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

How did you decide whose problem has the greater quotient? 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

Name \_\_\_\_\_

Date \_\_\_\_\_

**Number Puzzles and Multiple Towers**

# Digit Cards (page 2 of 3)



4

4

5

5

4

4

5

5

6

6

7

7

6

6

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