



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 72×38 .)

Name _____

Date _____

Compare Cards (page 1 of 2)



2	3	4	5
<u>6</u>	7	8	<u>9</u>
10	20	30	40
50	60	70	80
90	10	20	30

Name _____

Date _____

Number Puzzles and Multiple Towers

Compare Cards (page 2 of 2)



40	50	60	70
80	90	100	200
300	400	500	600
700	800	900	400
500	600	700	800

Name _____

Date _____



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:

_____ \times _____ _____ \times _____

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

2. Your problem:

Partner's problem:

_____ \times _____ _____ \times _____

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

3. Your problem:

Partner's problem:

_____ \times _____ _____ \times _____

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