

MBUSD Mathematical Mind: Family Math Fun With Games!



Manhattan Beach USD
UCLA Mathematics Project

Focus & Agenda

- Learn some games to play with your child that promote number sense and reasoning
- Have fun!

Compare

- Two player game
- Each player starts with half the cards
- During each round, each player turns over one card.
- Whoever has “the most” wins.
- Play continues until all cards are used.
- The player with the most cards wins.

Double Compare

- Two player game
- Each player starts with half the cards
- During each round, each player turns over two cards.
- Whoever has “the most” wins.
- Play continues until all cards are used.
- The player with the most cards wins.



What did you notice as you played this game?

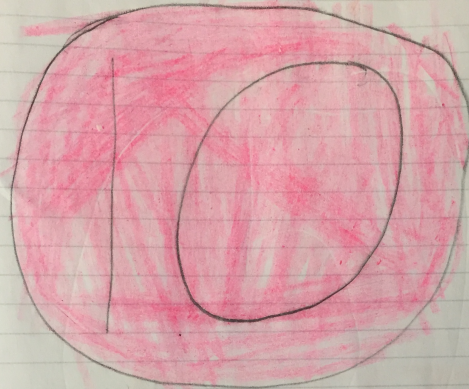
How did you determine who wins each round?

How Many Ways Can You Make... (Number of the Day)

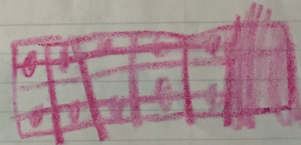
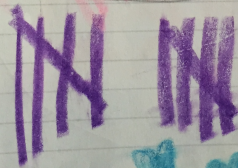
10

$$7+3=10$$

$$5+5=10$$



1 2 3 4 5 0
7 8 9 10



Math Game: Make 10

- Players use one deck of cards (take face cards out) and place 9 cards in a three by three fashion
- Players take turns “making ten”
- Replenish the cards when tens can no longer be made
- Continue the game until no more tens can be made
- Players work together until all cards are used

Race to 200

- Your goal is to get exactly 200!
- You each start with zero points.
- In pairs or trios, each person takes a turn to roll 1 or 2 dice. That person then adds his or her number (arranged in any order) from the remaining points.
- Opponents should verify each person's new total.
- First person to 200 wins.

Race to Zero

- Your goal is to get exactly zero!
- You each start with 999 points.
- In pairs or trios, each person takes a turn to roll 1 or 2 dice. That person then adds his or her number (arranged in any order) from the remaining points.
- Opponents should verify each person's new total.
- First person to zero wins.

Reflections and Conclusion

- We have found these games fun and engaging for students as well as families.
- Children work on mathematical ideas as they play.
- How might you utilize some of these ideas with your children?