

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!

What's Your Number?

Roll 3 dice. Record the digits.

Make 6 different numbers using the 3 digits.

Order the numbers from least to greatest

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.

Math Game: Make 24

- Players use one deck of cards (take face cards out) and place 9 cards in a three by three fashion
- Players take turns “making 24”
- Replenish the cards when 24 can no longer be made
- Continue the game until you can no longer make 24
- Players work together until all cards are used

Target Number

- This game can be played in pairs, small groups, or whole class, in either a competitive or collaborative setting.
- Flip over five cards and arrange them in a row.
- Flip over one more card and place it above the row.
- Using all five cards exactly once, your task is to make the target number (the sixth flipped card). Use any mathematics you know to help you.
- Decide if you want to find another way to make that number or deal out six new cards and play again.

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?