

Closest to 100 (Math Dice Game)

Math Skill(s): *Place Value and Mental Math*

Materials: *Dice, Scratch Paper, Pencil, Number Chart (if needed)*

Objective of the Game: *Be the player who has the most points at the end of the game.*

1. Players make a scorecard for 5 rounds.
2. Players will take turns rolling the dice.
3. Once the dice are rolled, player 1 will create a two-digit number.
4. Player 1 uses mental math to find the difference between the 2-digit number and 100.
 - a. One way to find the difference is to count up.
5. Player 1 score for the round will be the difference from 100.
6. Player 1 records their score for the round and then switches roll with player 2.
7. After each round, players compare their scores. Whichever player has the number closest to 100 gets a point for that round.
8. Play continues as players take turns until all 5 rounds are complete.

“Closest to 100” Math Dice Game

<https://youtu.be/PmmONTwi5jl>



Double's Race (Math Dice Game)

Math Skill(s): *Skip Counting*

Materials: *Dice, 2 Scratch Papers, Pencil, Multiplication Chart (optional)*

Objective of the Game: *Be the player to write all of the numbers to get to an established number (goal).*

1. Set a Skip Counting Rule and then a Final Number Goal.
 - a. Example- Skip Count by 3's (Rule) until you reach 45 (Final Number Goal)
2. In a fair way, decide which player will be the first writer. This player starts with the shared pencil.
3. The person who is next to write will be the 1st roller. (You have to roll a double to earn the pencil)
4. The person rolling the number cubes will say “1,2,3 Go” and they will begin rolling the cubes trying to get a double and the writer will begin writing numbers according to the rule. (Remember to separate your numbers with commas)
5. The writer continues to write and the roller continues to roll until they reach a double. If the roller gets a double, they say “Double” and do not touch the number cubes. The writer checks that the roller rolled a double and then takes the number cubes and begins rolling. The previous roller then gets the pencil from the writer and they begin writing to get the goal. The previous writer will have to wait until it is their turn again; even if they did not finish writing the number that they were on.
6. Play continues in this order until the first person who reaches the Final Number Goal for the game.
7. For an easier or harder challenge, players can choose to skip count by different numbers to reach a bigger total.

“Double's Race” Math Dice Game

<https://youtu.be/xpFPg6Q-iPQ>



Game of Frog (Math Dice Game)

Math Skill(s): *Addition and Multiplication*

Materials: *Dice, Scratch Paper, Pencil, Multiplication Chart (optional)*

Objective of the Game: *Be the player with the most points after 5 rounds.*

1. Players make a simple scorecard that shows 5 rounds.
2. Players take turns rolling two dice.
3. On a turn, a player can roll up to 4 times in each round.
 - a. A player rolls the dice
 - i. If the numbers are different, the players add the numbers to get a sum.
 - ii. If the numbers are the same, the players multiply the numbers to get a product.
 - iii. If a player rolls a 1 on either die, all points for that round are lost. The player's turn for that round is over.
 - iv. If a player rolls two 1's, all points are lost for all their rounds. The player's turn for that round is over.
 - b. After each roll, write down your running total for the round.
 - c. A player can stop rolling at any time and take the points for their round.
4. Players switch roles and continue playing.
5. The winner of the game is the first person who has the highest total after 5 rounds.

"Game of Frog" Math Dice Game

<https://youtu.be/NihHPXlpJo0>



Multiplication Dice War (Math Dice Game)

Math Skill(s): *Multiplication and Addition*

Materials: *Dice, Scratch Paper, Pencil, Multiplication Chart (optional)*

Objective of the Game: *Be the first player to reach 100 points.*

1. Players take turns rolling two dice and multiplying the numbers together.
2. The roller records their score.
3. Players switch roles and continue playing.
4. After each round, the players will add their new product to the running total.
5. The winner of the game is the first person who reaches the score of 100.

"Multiplication Dice War" Math Dice Game

<https://youtu.be/lc38Acs6Ril>

