

# HIGH ROLLER



*The object of each round is to use 4 digits to create the greatest number possible.*

## Materials:

- Pencils
- Each player has one place value chart.
- One set of dice (each player has one die)
- Scratch paper or whiteboard for final calculations

## Directions:

- 1) Player one takes a turn rolling the die and then decides in what place to record the digit on their chart.
- 2) Player two repeats Step 1.
- 3) Each player continues, taking 3 more turns until both charts have four digits.
  - a) Once a digit is recorded, it cannot be changed.
- 4) Compare numbers. The player with the greatest number wins the round.
- 5) Play 5 rounds. The player who wins the most rounds wins the game.

Round	Ones	.	Tenths	Hundredths	Thousandths
1.		.			
2.		.			
3.		.			
4.		.			
5.		.			

## HIGH ROLLER Version 2

*The object of each round is to use 10 digits to create the greatest number possible.*

### Materials:

- Pencils
- Each player has one place value chart.
- One set of dice (each player has one die)
- Scratch paper or whiteboard for final calculations

### Directions:

- 1) Player one takes a turn rolling the die and then decides in what place to record the digit on their chart.
- 2) Player two repeats Step 1.
- 3) Players continue, taking 9 more turns so that each player has written 10 digits.
- 4) Once a digit is recorded, it cannot be changed.
- 5) Compare numbers. The player with the greatest number wins the round.
- 6) Play 5 rounds. The player who wins the most rounds wins the game.

	Millions	,	Hundred Thousands	Ten Thousands	Thousands	,	Hundreds	Tens	Ones	.	Tenths	Hundredths	Thousandths
1.		,				,				.			
2.		,				,				.			
3.		,				,				.			
4.		,				,				.			
5.		,				,				.			



# HIGH ROLLER Version 3: SMALLEST DIFFERENCE

*The object of each round is to have the smallest difference between the two numbers.*

Materials:

- Pencils
- Each player has one place value chart.
- One set of dice (each player has one die)
- Scratch paper or whiteboard for final calculations

**Summary:** In each round, players must write a number sentence in which the first number is greater than the second number. Next, players will subtract the smaller number from the greater number

Directions:

- 1) Player one takes a turn rolling the die and then decides in what place to record the digit on their chart.
- 2) Player two repeats Step 1.
- 3) Players continue taking 7 more turns so that each player has written 8 digits.
- 4) Once a digit is recorded, it cannot be changed.
- 5) After both players calculate the **difference** between their two numbers, the player with the ***smallest difference*** wins the round.
- 6) Play 5 rounds. The player who wins the most rounds wins the game.

*Note: If a player ends up with a false statement (i.e. the first number is not greater than the second number), then the player needs to switch the inequality sign so that the number sentence is correct and subtract the two numbers. But that student cannot win that round.*

Game Board:

1. \_\_\_\_\_ . \_\_\_\_\_ > \_\_\_\_\_ . \_\_\_\_\_

2. \_\_\_\_\_ . \_\_\_\_\_ > \_\_\_\_\_ . \_\_\_\_\_

3. \_\_\_\_\_ . \_\_\_\_\_ > \_\_\_\_\_ . \_\_\_\_\_

4. \_\_\_\_\_ . \_\_\_\_\_ > \_\_\_\_\_ . \_\_\_\_\_