

Place-Value Dice Game

High-Number Toss

Purpose:

The objective is fluent reading, writing, and comparison of multi-digit numbers.

Materials:

You need a die, a pencil, and a recording sheet (attached).

How to Play:

The goal is to make the largest number possible.

1. Players take turns rolling the die four times.
2. Players write the number that appears on the die on one of the four blank lines on the recording sheet. Once a number is written down, it may not be changed.

The numbers placed on the left are the first 3 digits in the number, and the number placed to the right tells how many zeros will come after the first 3 digits.

Example

	First 3 digits	Number of zeros	Final number
Player A:	<u>1</u> <u>3</u> <u>2</u>	<u>6</u>	= 132,000,000 (132 million)
Player B:	<u>3</u> <u>5</u> <u>6</u>	<u>4</u>	= 3,560,000 (3 million, 560 thousand)

Player A wins.

3. Players build their numbers on the recording sheet and read their number aloud. Player with the larger number wins the round. Play several rounds.

Hundred Millions	Ten Millions	Millions	,	Hundred Thousands	Ten Thousands	Thousands	,	Hundreds	Tens	Ones
------------------	--------------	----------	---	-------------------	---------------	-----------	---	----------	------	------

Recording Sheet

High-Number Toss

Round 1

Player's Name	First Three Digits	Number of Zeros	Final Number
	_ _ _	_	
	_ _ _	_	

Round 2

Player's Name	First Three Digits	Number of Zeros	Final Number
	_ _ _	_	
	_ _ _	_	

Round 3

Player's Name	First Three Digits	Number of Zeros	Final Number
	_ _ _	_	
	_ _ _	_	