

Greater Than, Less Than or Equals - Numbers On A Roll Math Dice Game

Diane

- Roll the dice
- Put the equation on your recording sheet
- Insert the equation next to it
- Show the equation with your manipulatives

A recording sheet with a grid of red circles. The grid is divided into four rows by vertical lines. The top row has two circles. The second row has two circles on the left and two on the right. The third row has one circle on the left and one on the right. The bottom row has two circles. A large, hand-drawn greater-than symbol (>) is in the center of the grid.

- $1 < 3$
- $1 < 5$
- $2 > 1$
- $3 < 5$
- $3 < 6$
- $4 > 1$
- $4 = 4$
- $5 < 6$
- $6 > 3$
- $6 = 6$





Whenever you can think of a way to teach a concept via a game your students will enthusiastically want to learn.

Dice are the perfect way to introduce simple addition, subtraction as well as greater, less than and equal to for numbers.

To make the game even more fun, I've included clip art to guide them. I want students to practice writing their numbers, by rewriting the equation.

I also feel that student need to "see" counters to visualize the true concept.

I have a variety of ways for my students to do this, but stumbled across manipulative Baggies for addition via a creative teacher on Pinterest.

I decided to incorporate the "seeing-is-believing" and the "doing-is-understanding!" principal to the addition and subtraction dice games by making them even more hands on. After students wrote the equations they SHOWED them by moving the manipulatives in the Baggie to the left or right of the line.

While I was making this example Baggie, I thought how perfect this would be for the greater than, less than concept, as the Baggies are clear, and when flipped over would reveal the opposite symbol!

All I had to do was include a small square that said = on it, for students to cover the < > signs, when they rolled doubles, and I was in business!

Students can either work independently or choose a partner and play against them, seeing who can solve the most equations before the timer rings.

Here's how to play the game:

Children roll 2 dice and find that equation on their paper.

They rewrite it, and then show it in their manipulative Baggie, flipping the bag to whatever side they need to show greater than or less than, or covering the symbol with an equals sign if they roll doubles.

If they roll the same 2 dice that they already have an equation for, they lose their turn.

Baggie Manipulatives:

Put 10 buttons, or whatever manipulatives you have, in large Ziploc Baggies. Draw a greater than sign in the middle. Trace a black line above and below it. Give it a few seconds to dry and then flip it over and retrace to make the less than symbol. Using index cards or old file folders, cut squares and label them with equal signs. Tuck one in each baggie. I've also made greater than and less than label templates if you want to stick those on the top of your Baggies to help your students associate the words with the symbols. Simply put a 30-on-a-page Avery label sheet into your printer and print. Students move the manipulatives to the right and left to show the equation they rolled. For example:

$$5 < 6, \quad 3 = 3, \quad 4 > 1$$

My Baggie idea was inspired by **Mrs. T's addition Baggies on her First Grade Blog:**

<http://mrstsfirstgrade-class-jill.blogspot.com/2011/08/number-concept-bag.html>

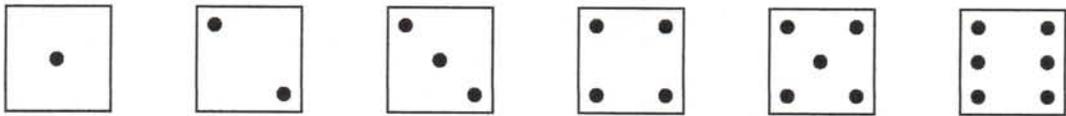


Congratulations!



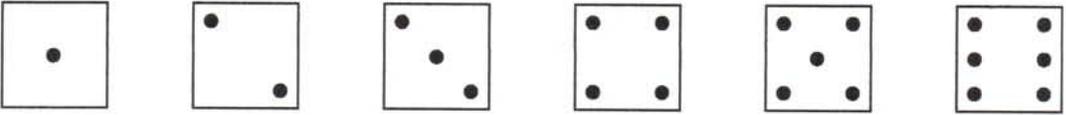
won our > < = dice game!

Congratulations!



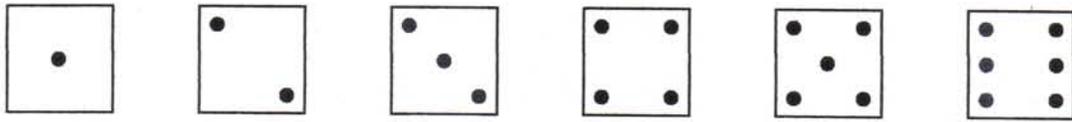
won our > < = dice game!

Congratulations!



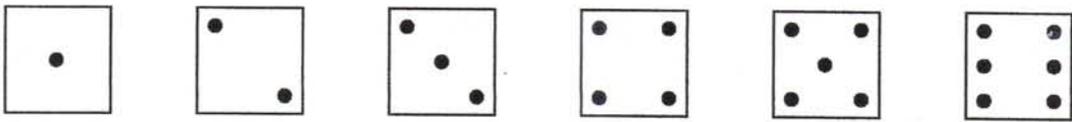
won our > < = dice game!

Congratulations!



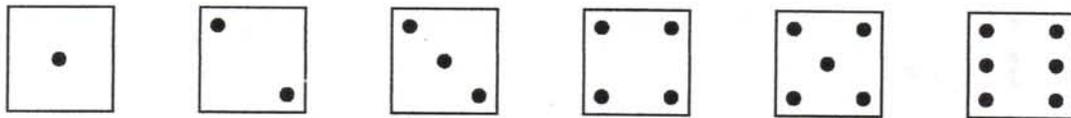
participated in our > < = dice game!

Congratulations!



participated in our > < = dice game!

Congratulations!



participated in our > < = dice game!