
It All Adds Up! Numbers On A Roll Addition Dice Game
Roll the dice.
Find the equation on your recording sheet.
Solve the problem.
Rewrite the equation.
Show the equation on your head (mnemonic or with your manipulative fingers.
4+2=6
3+3=6

It All Adds Up! Numbers On A Roll Addition Dice Game

Materials:

- Pony Beads
- Pipe Cleaners
- Dice
- Recording Sheets
- Markers
- Small Baggies
- Manipulatives for Baggies
- Black permanent marker

Directions:

- Students can either work independently or choose a partner and play against them, seeing who can solve the most equations before the timer rings.
- Children roll 2 dice and find that equation on their paper.
- They rewrite it,
- solve the problem and
- work it out on either their bead bracelet or manipulative bag.
- If they roll the same 2 dice that they already have an equation for, they lose their turn.
- After students have played the addition version of the game, have them switch to subtraction.

I got the manipulative ideas from creative Pinterest teachers, and decided to use them for this game to make it more hands-on and "seeing-is-believing/understanding!" for the students.

Bead bracelets:

To make a class set of bead bracelets for this game, put 6 pony beads on 25 pipe cleaners. (Or however many students you usually have in your class.) Twist the ends so they look like a bracelet. Students move the beads to show the various rolls of the dice. i.e. 4 + 2 = 6 (See photo above.)

I got the bead bracelet idea from: *Mrs. Tunstall's Teaching Tidbits:*
http://tunstalltimes.blogspot.com/2011/08/number-bracelets.html

Baggie Manipulatives:

Put 6 buttons, or whatever manipulatives you have, in small Ziploc Baggies. Using a permanent marker, draw a blue or red + sign in the middle of the bag. Draw a black line above and below the + sign so that the line runs down center. Students move the manipulatives to the right and left to show what equation they rolled. i.e. 3 + 3 = 6 (See the photo above.)

I used poker chips that I bought at The Dollar Store.
I also make subtraction bags and put a minus sign down the middle.

You can eliminate the math symbol and use your Baggies for both addition and subtraction, but I think it's important for them to see that symbol for the concept to get ingrained in their brain and the proverbial light bulb to go on.

I got the Baggie idea from *Mrs. T's First Grade Blog*:
http://mrstsfirstgradeclass-jill.blogspot.com/2011/08/number-concept-bag.html

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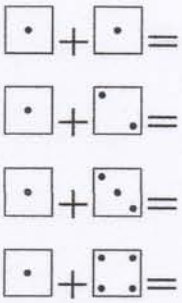
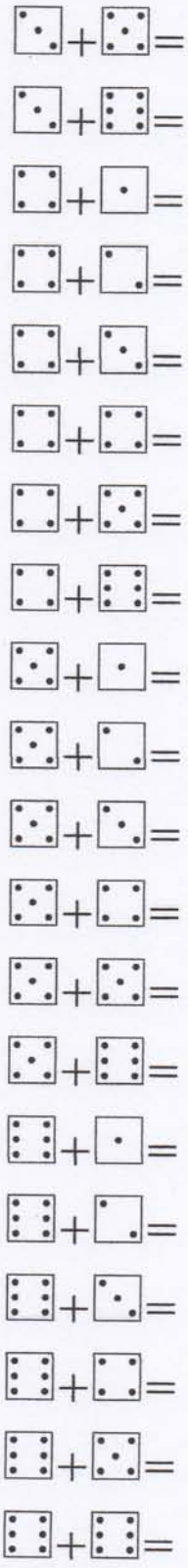
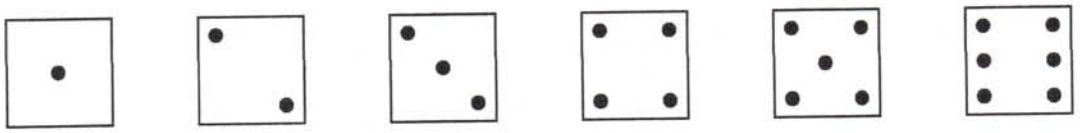
- Solve the problem.
- Rewrite the equation.
- Show the equation on your bead bracelet or with your manipulative Baggie.



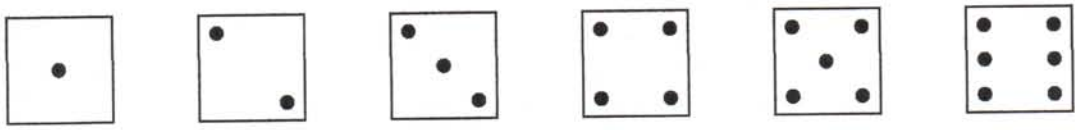


Congratulations!



participated in our addition dice game and did well.

Congratulations!



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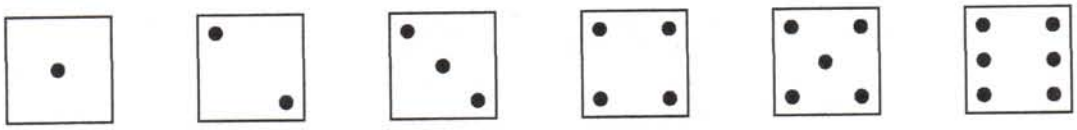

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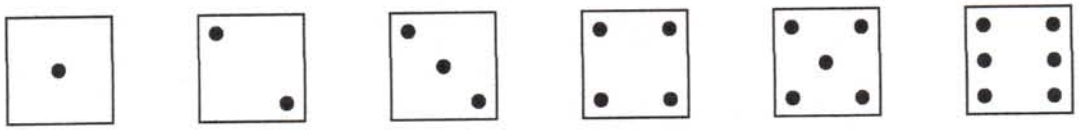

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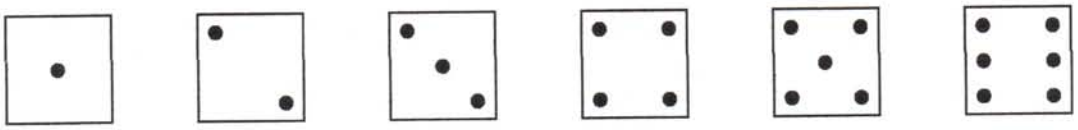

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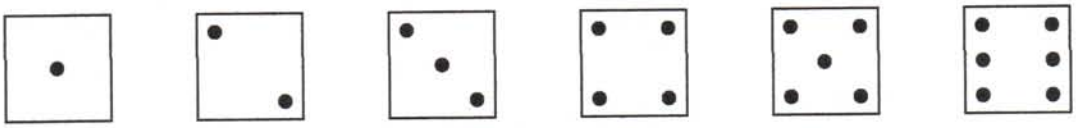

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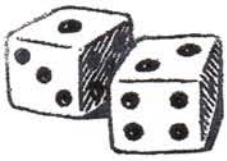
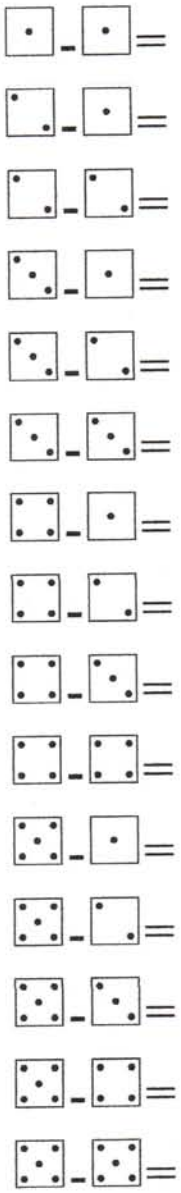
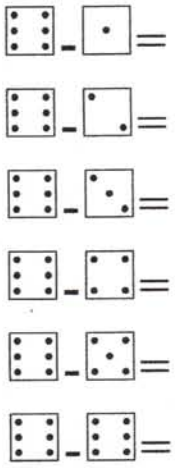


What Difference Does It Make To Ya?

Numbers On A Roll Subtraction Dice Game

- Roll the dice.
- Find the equation on your recording sheet.
- Solve the problem.
- Rewrite the equation.
- Show the equation on your bead bracelet or with your manipulative Baggie.





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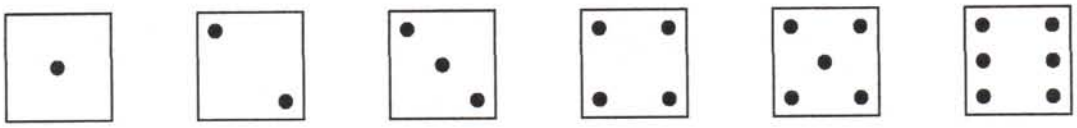

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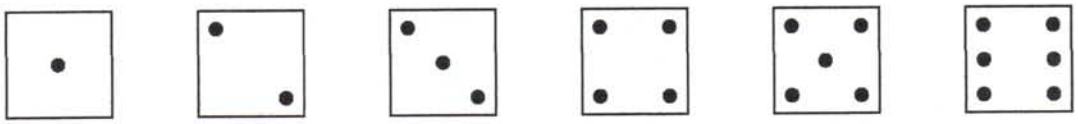

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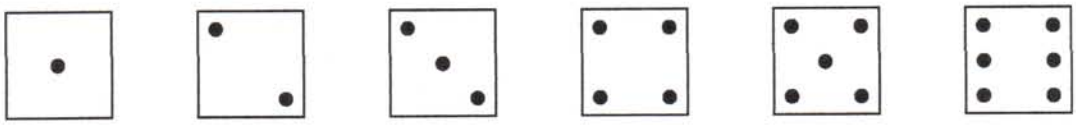

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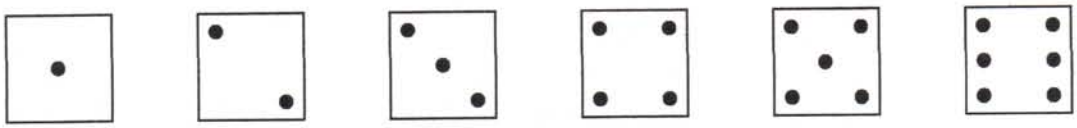

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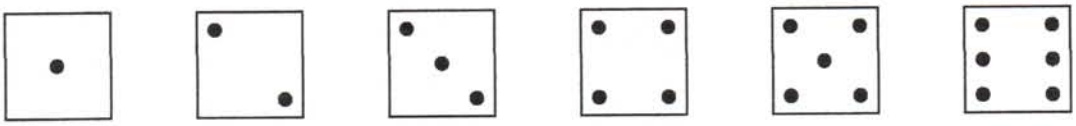

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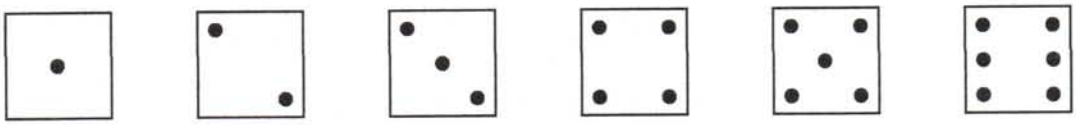

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