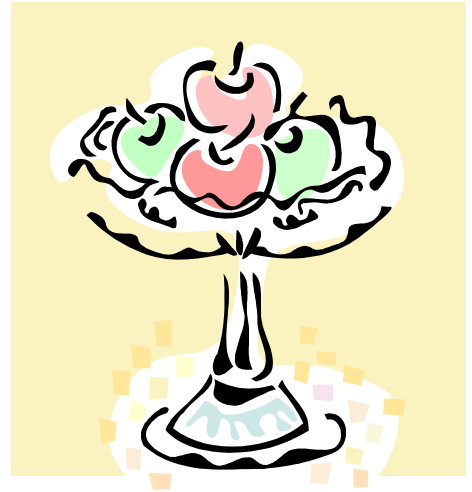


## Estimation Activity for Beginners

Fill a clear bowl/vase with about 1-10 oranges, lemons, apples, or some other object large enough to fill it. Just use whatever you have in your house. Have loose leaf paper and markers on hand for guessing and recording.



1. Tell your child "We are going to play a guessing game!"
2. "I put some \_\_\_\_ in this bowl, and you are going to guess, without counting, to find out how many there are!"
3. Tell your child to look at all sides, and the bottom, of the bowl/vase and make their best guess . . . without counting! Write this guess on the sheet of paper.
4. Next, take out a handful of the objects, not all, and let them count them out. Then ask questions about it.

For example, if I placed 6 apples in my bowl and my child guessed 2, I would take out about 3 apples and ask them to count them out. Then I would say, "So if this is 3 apples do you think there are more than 3 apples in my bowl?...(wait for response), less than 3?, or 3 apples altogether in my bowl? Do you think I have enough to share? Etc."

NO CRITICISM FOR WRONG ANSWERS . . . they are developing these understandings.

5. Put back all the apples and let them guess again. Write this guess on the sheet of paper.
6. Take them out, count them with your child, and write that number on the paper. Ask them to draw a recording/picture of how many there were altogether.