

Place Value Go Fish

Objective: Use place value to read, write, compare, and order whole numbers

Materials:

- Paper or notebook

Directions:

1. You will play this game with a partner.
2. On your paper, write a 9-digit number at the top. You cannot put include any zeros, and you can use each digit (1-9) once. Do NOT let your partner see your number.
3. Just as in Go Fish, players take turns asking and giving.
4. Player 1 starts and says to Player 2: "Give me all your ___'s (say any number 1-9).
5. If Player 2 has that number in the hundreds place, he says, "You get 600."
6. Player 1 then adds 600 to his number while Player 2 subtracts 600 from his number (because he gave it away).
7. If the same digit appears two or more times in the giver's number, the giver can say either of the two values. (Of course it would be better to say the number with the smaller place value!)
8. Player 2 now gets to ask.
9. The game ends after each player has had 7 turns asking (7 rounds).
10. The winner of the game is the player with the biggest number after 7 rounds.
11. See the example game.

Player 1

863,752,941

Player 1 asks first

Asks: "Do you have any 8's?"

Adds 8

$$\begin{array}{r} + \quad \quad \quad 8 \\ \hline 863,752,949 \end{array}$$

Player 2 asks

Answers:

"Yes, you get 60 million."

Subtracts 60,000,000

$$\begin{array}{r} 863,752,949 \\ -60,000,000 \\ \hline 803,752,949 \end{array}$$

Player 1 asks again

Asks: "Do you have any 3's?"

Adds 300,000

$$\begin{array}{r} 803,752,949 \\ + \quad 300,000 \\ \hline 804,052,949 \end{array}$$

Player 2

679,326,548

Answers: "Yes, you get 8 ones."

Subtracts 8

$$\begin{array}{r} - \quad \quad \quad 8 \\ \hline 679,326,540 \end{array}$$

Asks: "Do you have any 6's?"

Adds 60,000,000

$$\begin{array}{r} 679,326,540 \\ +60,000,000 \\ \hline 739,326,540 \end{array}$$

Answers: "Yes, you get 300 thousand."
(300,000 is LESS than 30,000,000)

Subtracts 300,000

$$\begin{array}{r} 739,326,540 \\ - \quad 300,000 \\ \hline 739,026,540 \end{array}$$