

Grade 5 – NUMERACY – LESSON 3

Make the Bigger Number – Place Value

If you are given the digits 3, 4, 2 and 6, what is the biggest number you can make using each digit only once?

How do you know it is the biggest?

Can you visually show how you know this is the biggest?

Game: Make the Bigger Number

Materials: deck of cards, pencils, paper

Player A and Player B each have a piece of paper and a pencil. The paper is kept out of sight from their opponent. Both players decide on how many places their number will have; both players will have the same amount of digits (suggested: in the thousands or ten thousands). They draw boxes or line on their page for each place (Example: _____)

Player A draws a card from the deck and places it on the table so both players can see it. (Example: the card drawn is a 4.)

Each player writes the value of the card in one of the places

(Example: Player A places it here _____ 4 _____, Player B places it here _____ 4 _____).

Player B draws a card and places it on the table so both players can see it, and again each player writes the value of the card in one of the places.

Play continues until enough numbers have been drawn to fill all the digits, players reveal their numbers. Whomever has the highest value wins.

*Variation: Winner has the smallest number.