1 planned office hour

- day: Fridays
- time: from 4:30 pm to 5:30 pm
- venue: research and development building, office A-602
- ending date: July 30

- in this document the following words ‘non signed binary system for representing values’ they might represent what?
- in this document the following words ‘decimal system for representing values’ they might represent what?

2 multiplication

assume that decimal system for representing values is used

- how the expression 111×11 might be computed?

assume that non signed binary system for representing values is used

- how the expression 111×11 might be computed?

assume that non signed binary system for representing values is used

- how the expression 10×10 might be represented?
- how the expression $10 \times 10 \times 10$ might be represented?
- let n be a natural number not equal to zero, the expression 10^n how might it be represented?

3 fractional numbers

assume that decimal system for representing values is used

- how the pattern 11.1 might be represented using the base of the system?

assume that non signed binary system for representing values is used

- how the pattern 11.1 might be represented using the base of the system?
- in regard to the pattern 11.1, what is the value that it might represent?

assume that non signed binary system for representing values is used

- in regard to the patterns 0.1 and 0.01 and 0.001 and 0.0001, what are the values that they might represent?
- in regard to the pattern 0.101, what is the value that it might represent?

assume that decimal system for representing values is used

- in regard to the pattern 0.75, how it might be represented using the non signed binary system for representing values?
- in regard to the pattern 0.7, how it might be approximated using the non signed binary system for representing values?

4 representing values using two decimal digits

let assume that a system used to represent values uses two decimal digits. Let assume that the letters a and b are used to represent the said digits. Let assume that the value associated with the two digits is defined by the following equation $value = a \times 10 + b$

- what is the smallest value that might be represented by the said system?
- what is the largest value that might be represented by the said system?
- how many values might be represented by the said system?
- in regard to the said system, the difference between a value and a following value might it be regarded as a constant?

let assume that a system used to represent values uses two decimal digits. Let assume that the letters a and b are used to represent the said digits

- let the objective of the said system be representing the following values zero, one, two and so on up to nine, ten, twenty and so on up to ninty, hundred, two hundreds and so on up to one thousand, and so on up to nine bilions, then how the value associated with the said two digits might be defined?

let assume that a system used to represent values uses two decimal digits. Let assume that the letters a and b are used to represent the said digits

- let the objective of the said system be representing zero and fractional positive values and integer positive values. Let the smallest represented fractional value be 10^{-5} let the largest represented integer value be 9×10^{4}. Then, how the value associated with the said two digits might be represented?