Puzzler: (A matternazion) card trick -no sleight afhand)

Alice: Bab are demonstrato a mazic trick to Carl

Carl charges 6 cards and gives them to Alice

Alice charges 1 of these and gives are back to Carl

(his special card). Bab can't we any of them.

Alice arranges the 5 nemary cards in a pile

and gives them to Bab. Bax examps the pile,

thinks a bit an them tolls Carl what his

special card is. How?

Today: Numbers (Chapter 7)

Extradetail: "Nomerical notation, a comparate "by Steplen Chrisomalis."

What are number? How are they represented?

(Symbolic as appared to mohal)

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Molera 12:	systems (from CS)  1100 Binary  14 Octol  B Heroborinal

## S when & C3 from

3 is many represently threeness.

Quantity - number

3 apples

"intral of the past

why loss it mile some to use some lagrage to grantites I apples as internals . I the? why not use color (spectral) to repeat the?

(xvII) · (cxII)

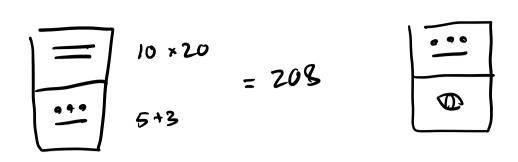
Typin I math development new symbolic languages,
notes (axions to work of their new applications how do this lell? they formit colnel dates! a say

Del Numical this are this that can be necessed about us of numbers.

# Det Numbers are thys that count.

# Lel's count!

Mayan



#### Bahlavin cureifon

## Positional # systems

freed est of "digits" "signi" "glyphs"

whe depends on placement

corresponds to

corresponds to

10 1 10 10×10 10×10×10

102 103

20 1 20 20×20

60 1 60 60×60 -

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