


## Info Representation

Digitization: representing information by any fixed set of symbols


What number is: $\square \square \square \square \square \square \square$ ?


byte (balt). Computers. [Arbitrary, prob. influenced by bit $s b 4$ and bite sb.] A group of eight consecutive bit unit of information is fundamental to most of the formats [of the System/360]. A consecutive group of $n$ such units constitutes a field of length $n$. Fixed-length fields of length one, two, four, Res. \& Developm. VIII. $97 / 1$ When a byte of data appears from an IO device, the CPU is
Res.

The normal operations in fixestored. point are done on tour bytitas at a time.t. 1968 PDataweek 24 Jan.
$1 / 1$ Tape reading and writing is at from 34,160 to 192,000 bytes per second.



ost of the formats <ed>of the System/360<<ed>.\&es.A consecutive group of <i>n<li> such
inht are termed bytes, halfwords, words, and double words respectively





joins physical \& logical domains so
physical devices do our logical work
* Symbols represent things 1-to-1
* Create symbols by grouping patterns
* PandA representation is fundamental
* Bit, a place where 2 patterns set/detect
* ASCll is a byte encoding of Latin abet
* In addition to content, encode structure

