

### INSTRUCTION SET

op-code	symbolic
00	ADD
01	GET #
02	GOTO #
03	IF 0 GOTO #
04	INCR
05	LOAD
06	PUT #
07	STOP
08	STORE
09	SUB
10	SWAP
11	WRITE #

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## BASIC FACTS TO ASK ABOUT ANY COMPUTER

### LMC ANSWERS

#### 1. MEMORY

- (A) BASIC UNIT      3 DECIMAL DIGIT NUMBER  
(B) MAXIMUM SIZE   1000 LOCATIONS

#### 2. REGISTERS

- (A) HOW MANY      3  
(B) NUMBERS        3 DECIMAL DIGIT NUMBER

#### 3. INSTRUCTIONS

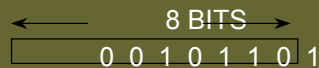
- (A) NUMBER         12 INSTRUCTIONS

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### INTEL PENTIUM III ANSWERS

#### 1. MEMORY

- (A) INDUSTRY BASIC UNIT      8 BINARY DIGITS (BITS) = 1 BYTE



- (B) BASIC UNIT      32 BITS = 4 BYTES  
(C) TYPICAL SIZE    MEMORY RAM: 64-768 MB  
                                 L2 CACHE      128 - 512 KB

#### 2. REGISTERS

- (A) HOW MANY      ABOUT 50 REGISTERS  
(B) NUMBERS        VARIOUS TYPES

#### 3. INSTRUCTIONS

- (A) NUMBER         ABOUT 500

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# A "Real" Computer

