

Terms and Conventions

EVALUATION SHEET

1. The three basic units of computer information are listed below. Write an A next to the smallest unit, a B next to the next larger unit, and a C next to the largest unit of computer information.

Basic Unit	Size
Word	<u>C</u>
Bit	<u>A</u>
Byte	<u>B</u>

2. Circle the letter of the answer that specifies the correct size of a *byte*.
- a. One-half of a word
 - b. One-quarter of a word
 - c. 6 bits long
 - d. 8 bits long
 - e. All of the above
 - f. Two of the above
3. Match each memory term with its definition.

Memory Term		Definition
a. Memory address	<u>c</u>	Used for storage of one word (or byte) of information.
b. Memory contents	<u>b</u>	Changes when information is stored; does not change when information is retrieved.
c. Memory location	<u>a</u>	Specifies a particular place in memory that can never change.

4. Circle the letter of the one example that is the correct format for a single memory location with an address of 5000 and contents of 32.

a. 5000

c. 32

b. 5000

d. 32

5. The *approximate* number of individual locations in a 72K memory is 72,000.

6. The *exact* number of individual locations in a 16K memory is 16,384.

7. Circle the letter of the correct pair of abbreviations for each of these terms.

Nanosecond

a. NSEC or NANOSEC

b. NS or NSEC

c. NS or NANOSEC

d. NASEC or NANSEC

Millisecond

a. MS or MSEC

b. NS or KSEC

c. KSEC or MILSEC

d. MSEC or MILSEC

Microsecond

a. MSEC or MICROSEC

b. MSEC or MS

c. μ S or MICROSEC

d. μ S or KSEC

8. The equivalent fraction of a second for 800 nanoseconds is 800/1,000,000,000.
9. Five symbols and ten functions are listed below. Match each symbol with its function.

Symbol	Function
\geq	<u>h</u>
:	<u>i</u>
=	<u>j</u>
<	<u>a</u>
\uparrow	<u>c</u>

- | | |
|--------------------------|-----------------------------|
| a. Less than | f. Divide by |
| b. Less than or equal to | g. Greater than |
| c. Raise to the power of | h. Greater than or equal to |
| d. Find the square | i. Compare |
| e. Multiply | j. Equal to |

10. Indicate which of the following symbols represents the expression stated by circling the correct letter.

X raised to the 12th power

- a. $X : 12$
- b. $X \uparrow 12$
- c. $X ** 12$
- d. Both a and b
- e. Both b and c

A is greater than 126

- a. $A \geq 126$
- b. $A > 126$
- c. $A \rightarrow 126$
- d. $A : 126$
- e. None of the above

15 is not equal to Y

- a. $15 < Y$
- b. $15 > Y$
- c. $15 \text{ not} = Y$
- d. $15 \geq Y$
- e. None of the above

R times X

- a. $R ** X$
- b. $R : X$
- c. $R * X$
- d. $R (x) X$
- e. None of the above

A is less than or equal to B

- a. $A \leftarrow B$
- b. $A \downarrow = B$
- c. $A \leq B$
- d. Two of the above
- e. None of the above