

FLORIDA HIGH SCHOOLS COMPUTING COMPETITION '82
JUDGING CRITERIA

1.1 RUN PROGRAM:

OUTPUT: **I AM THINKING OF A NUMBER. WHAT NUMBER IS IT?**

INPUT: 50

OUTPUT: **TOO HIGH** then INPUT: 25
or if

OUTPUT: **TOO LOW** then INPUT: 75

(Continue to guess in this manner, until you get the #)
(dividing amount by 2 each time)

- Rerun program if you don't guess right in 7 tries.

1.2 RUN PROGRAM:

OUTPUT: **2,5,8,10,13,17,18,20,25,26,29,32,34,37,40,41,45**

1.3 RUN PROGRAM: OUTPUT: **35392**

1.4 RUN PROGRAM: OUTPUT: (2 random clock times and the sum
of the 2 times. Example below):

5 : 33

8 : 44

2 : 17

(run program twice)

1.5 INPUT: Enter a, b, c: **2, 2, 2** OUTPUT: **COMPLEX**

INPUT: Enter a, b, c: **1, -1, -6** OUTPUT: **-2, 3**

1.6 INPUT: Enter number: **42** OUTPUT: **2 3 7**

1.7 INPUT: Enter P,i,N,Y: **100,.01,4,100** OUTPUT: **\$271.49**

1.8 RUN PROGRAM: OUTPUT: **7 11 25**

1.9 INPUT: Enter a symbol: *****

OUTPUT: (* is displayed for 45 seconds, then it is cleared)

1.10 INPUT: Enter decimal: **.35** OUTPUT: **7/20**

1.11 RUN PROGRAM: (An asterisk will appear in the center of the
screen. Press a **U** to move it up, **D** down, **R** right, **L** to the left.
It must not leave a sketched path.)

- 2.1 INPUT: Enter month, day: 12, 31 OUTPUT: **FRIDAY**
 INPUT: Enter month, day: 5, 29 OUTPUT: **SATURDAY**
- 2.2 INPUT: Enter n: 6
 Enter vertex (X, Y): 5, 1
 Enter vertex (X, Y): 2, 4
 Enter vertex (X, Y): -3, 3
 Enter vertex (X, Y): -3, -2
 Enter vertex (X, Y): -1, -4
 Enter vertex (X, Y): 2, -2
 OUTPUT: **AREA = 41.5**
- INPUT: Enter n: 3
 Enter vertex (X, Y): 1, 1
 Enter vertex (X, Y): 5, 5
 Enter vertex (X, Y): -1, -4
 OUTPUT: **AREA = 6**
- 2.3 RUN PROGRAM: OUTPUT: 21978
- 2.4 RUN PROGRAM: OUTPUT: 370 371 407
- 2.5 INPUT: Enter name: **DOUG WOOLLEY**
 OUTPUT: (the following will zigzag from one side of the screen to the other and back again)
- ```

D
 O
 U
 G
 W
 O
 L
 L
 E
 Y

```
- 2.6 RUN PROGRAM: OUTPUT: (A stick figure is repeatedly drawn. It will also wave its arm.)
- 2.7 INPUT: How many letters: 4 OUTPUT: (random permutations of the 4 letters. Stop program when you see **LIST** as one of them.)  
 Enter letter: **T**  
 Enter letter: **S**  
 Enter letter: **I**  
 Enter letter: **L**

2.8 RUN PROGRAM:

OUTPUT: (Four random letters, numbers, or symbols)  
INPUT: (Type all four random characters correctly)  
OUTPUT: (The time elapsed must be printed)

RUN PROGRAM:  
OUTPUT: (Four random letters, numbers, or symbols).  
INPUT: (Type 2 of the characters incorrectly)  
OUTPUT: (The 2 characters that were typed incorrectly must be displayed. No time is displayed.)

2.9 INPUT: Enter price \$: 11.36  
Enter denomination \$: 20

OUTPUT: 1 \$5  
2 DOLLARS  
2 QUARTERS  
1 DIME  
4 PENNIES

2.10 INPUT: (Choose option to convert inches to centimeters)  
Enter inches: 100

OUTPUT: 254 CM

INPUT: (Choose option to convert miles to kilometers)  
Enter miles: 6.2138

OUTPUT: 10 KM

2.11 RUN PROGRAM: OUTPUT: A=2 B=5 C=9 D=2

2.12 INPUT: Enter Month1, Day1: 4, 8  
Enter Month2, Day2: 10, 16

OUTPUT: 191 DAYS

2.13 INPUT: Enter month, day, year: 10, 16, 66  
Enter amount \$: 52.13  
Enter payee: DOUG WOOLLEY

OUTPUT:  
\*\*\*\*\*  
\* OCT. 16, 1966 \*  
\* \* \* \* \*  
\* PAY TO THE \*  
\* ORDER OF DOUG WOOLLEY \$52.13 \*  
\* \* \* \* \*  
\* FIFTY-TWO AND 13/100 DOLLARS \*  
\* \* \* \* \*  
\*\*\*\*\*



3.4 INPUT: Enter Roman Numeral: **IV**  
Enter Roman Numeral: **CDXCVI**

OUTPUT: **IV + CDXCVI = D**  
**4 + 496 = 500**

**IV \* CDXCVI = MCMLXXXIV**  
**4 \* 496 = 1984**

3.5 RUN PROGRAM:

OUTPUT: **2025**  
**3025**  
**9801**

3.6 Since the rules are not given with this problem, it is very difficult to judge the program.

3.7 INPUT: Enter #: **1**  
Enter #: **3**  
Enter #: **5**  
Enter #: **7**  
Enter #: **9**  
Enter #: **11**  
Enter #: **13**  
Enter #: **15**  
Enter #: **2**  
Enter #: **4**  
Enter #: **6**  
Enter #: **8**  
Enter #: **10**  
Enter #: **12**  
Enter #: **14**  
Enter #: **16**  
Enter another number: **2**

OUTPUT: **BETWEEN 15 AND 4**

3.8 BONUS- Choose **FLORIDA**

The computer asks yes or no questions concerning your choice. Count the number of questions it asked before it guessed FLORIDA.

3 points if guessed in 6 or less questions  
2 points if guessed in 7-9 questions  
1 point if guessed in 10-12 questions