

CODE BREAKER

Welcome to West Nottinghamshire College – Computer Science Code Breaker

Do you have what it takes to crack the codes?

Each year, the Computer Science department hosts a code breaking competition, so why not get a taste of what's to come and take on the challenge to earn a prize?

Within this document, you will find all of the 2019-2020 questions (with hints), all you need to do is crack the codes and the answers will be revealed.

Each answer is related to computing; it could be a famous person (within computing), a subject you could study on your course, or related to computer games, somehow.

You are given the encrypted word (or words) and a hint that may help you solve the puzzle.

There are 20 encrypted words, names or phrases to find, but don't panic, they are so cleverly constructed, it's rare anyone gets all of them.

How the competition works:

Your name will appear in a random generator (alongside everyone else who enters) a number of times equal to the number of correct answers you give, so if you get more right, you stand a higher chance of winning! A winner will be drawn and announced during induction week.

Here's a hint: *A few of the words, names or phrases have been misspelt or have 'typos' in them, just to make things a little more difficult for you!*

Good luck!

1

ZOZM
GFURMT

Clue: *In the Book of Jeremiah the code is seen used in 25:26, 51:1, and 51:41.*

2

SBWKRQ

Clue: Many schools do this, a *Caesarian shift +3*.

3

STTEIR

Clue: Это простая анаграмма

4

TUUF
JXEKWXJ

Clue: *A shift in the answer of the life the universe and everything.*

5

**01001 01110 10100 00101 10010
01110 00101 10100 01111 00110
00101 10110 00101 10010 11001
10100 01000 01001 01110 00111**

Clue: It's everywhere! Simple binary to denary to alphabet.

6

**12 E 4 F D 3 3 5 13 13 D
5 D F 12 19**

Clue: It's been hexed, and it's forgotten the A.

7

2 21 25 12 15 32 26 15
32 1 24 15 15

Clue: Spiders legs; shift and number system. He could spin this any way he liked.

8

IX XIV I XII I XIV XX I XIX
XXV

Clue: Some striae as you may find these 2 words difficult if you don't know your Roman numerals.

11



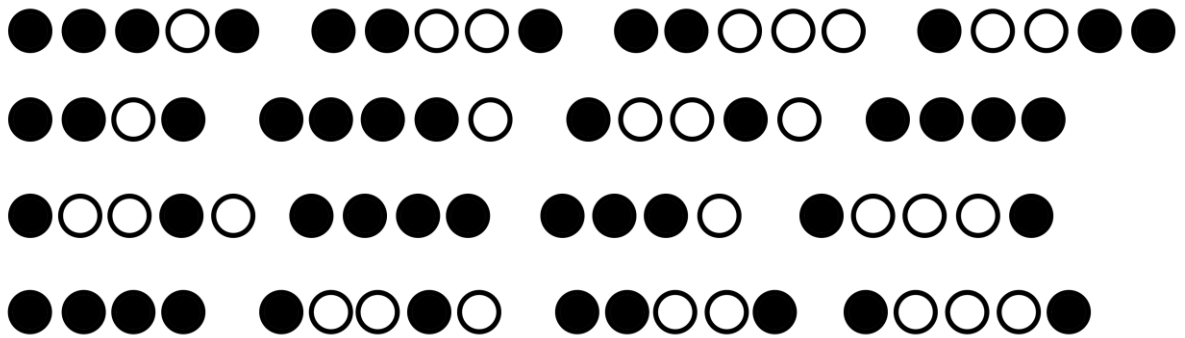
Clue: *Myns cld d mths vry wll, jst lke ths.*

12



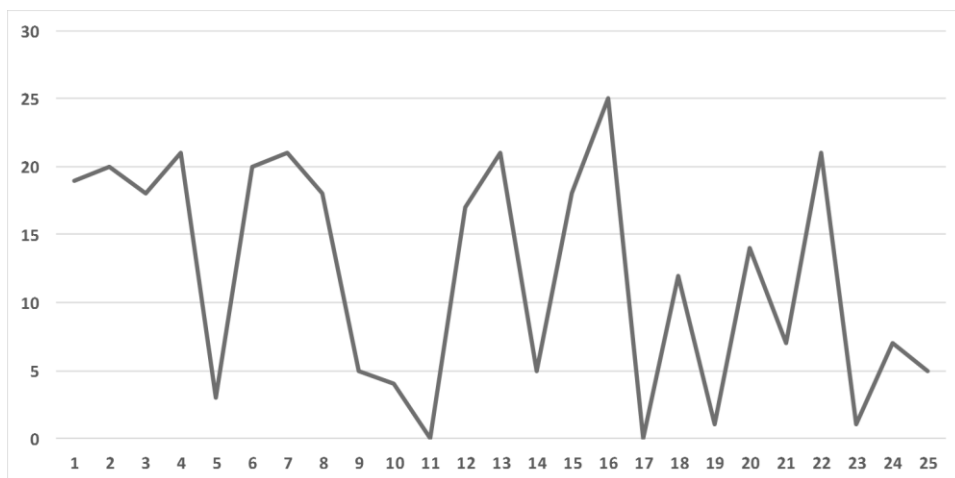
Clue: *.around tablets carry also could Egyptians Ancient*

13



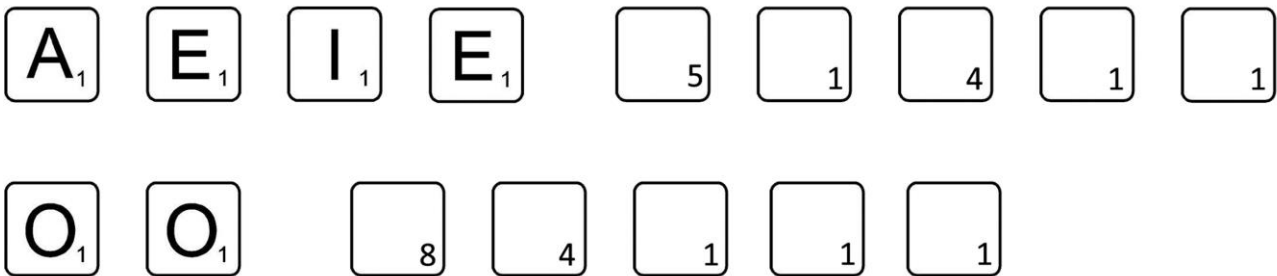
Clue: A simple $+1010_2$ shift. A sound clue, although a little spikey.

14



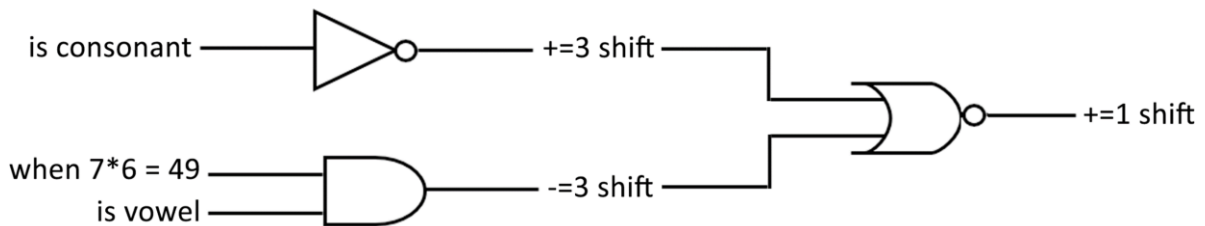
Clue: $X = \text{position}$, $Y = \text{letter}$. A very organised way of keeping and finding things.

15



Clue: *Do you think she played Scrabble at NASA?*

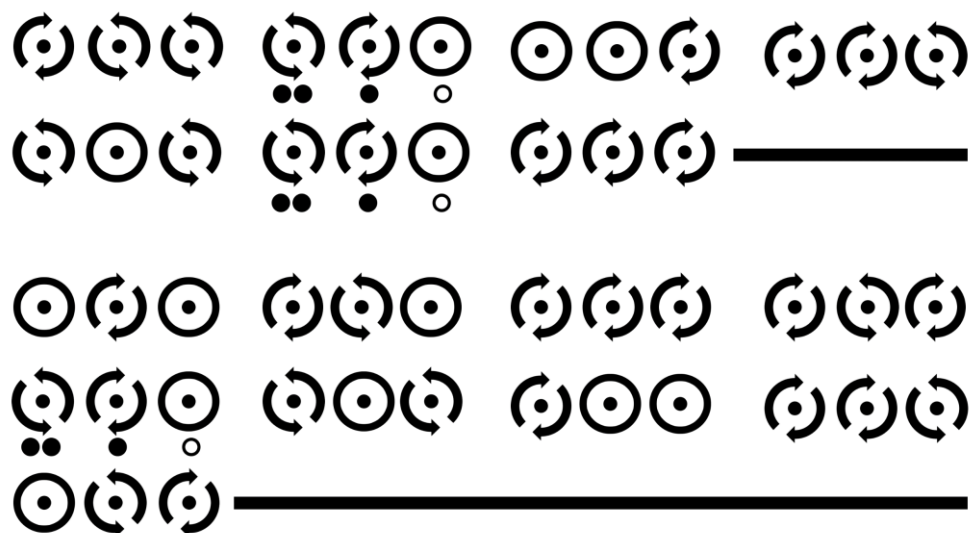
16



DSLJUIHULD MRHLDXOLU

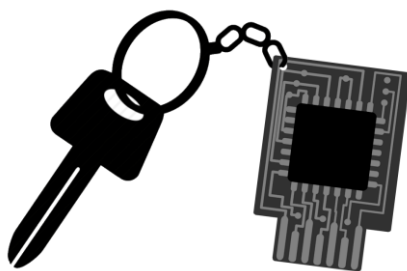
Clue: *Vowels are shifted, so are consonants. It's logical mathematics when you think about it.*

17



Clue: *Trinary is better, stronger, faster when you have more than 2 states to work with.*

18



FTXLGDQFETL

Clue: *The key to this is a substitution cipher at your fingertips that requires real brain magic not to get too bored.*

