

KryptoMagick Modular Arithmetic

ABCD

12_24

0_25

4_Juniors

Lesson 0

- What is your classmates name?

Lesson 1

- How many hours are on the clock?

Lesson 2

- How many letters are in your name?

Lesson 3

- How many letters are in your classmates name?

Lesson 4

- Problem 0 + Addition
- Add the two following words together
- MOON
- MOON

Lesson 4

- Answer: YCCA

Lesson 5

- Add your name to your friends name

Lesson 6

- Add your friends name to your name
- Question: Is there a difference between Lesson 5 and 6?

Lesson 7

- Problem 1 - Subtraction
- Subtract the two following words together
- SUN
- SUN

Lesson 7

- 0-25
- A-Z
- Write the following sequences down on a piece of paper
- Addition moves right, subtraction moves left

Lesson 8

- Subtract your name from your friends name

Lesson 8

- Subtract your friend's name from your name
- Question: Is there a difference between Lesson 7 and 8?



Lesson 9

- FTU
- First Basic Egyptian Math Symbols
- * + - / ^
- Multiplication, Addition, Subtraction, Division, Modular

Lesson 10 - Multiplication

$$(2 * 2) = 4$$

$$(C * C) = E$$

Lesson 11 - Addition

$$(2 + 2) = 4$$

$$(C + C) = E$$

Lesson 12 - Subtraction

$$(2 - 2) = 0$$

$$(C + C) = A$$

Lesson 13 - Division

$$(2 / 2) = 1$$

$$(C / C) = B$$

Lesson 14 - Modular

$$(2 + 2) \bmod 26 = 4$$

$$(C + C) \bmod 26 = E$$

Lesson 15

- Make a list of your classmates first and last names
- Add, subtract, multiply and divide the list of names with your classmates

Lesson 16

- Ask your teacher questions

Lesson 17

- $FTU = 3$
- $(FTU) = 4$
- $F T U = 4$
- $(F T U) = 5$

Lesson 18

- How do you pronounce FTU?

Lesson 19

- How do you spell FTU?

ET

- Karl Zander