HIDDEN MATH

“FIND ME IF YOU CAN 😉”

0. Can you find me?

7070 = 2
0011 = 2
5678 = 3
1111 = 0
1117 = 0
0000 = 4
0909 = 4

5555 = 0
0880 = 6
8809 = 6
7662 = 2
9313 = 1
8080 = 6
1234 = 0

8989 = ?

1. WHAT IS MATH?

93%

93%

of Americans report experiencing some level of math anxiety.

https://hbr.org/2019/10/americans-need-to-get-over-their-fear-of-math

28%

28%

employment in math-heavy occupations will increase by 28% between 2016 and 2026

https://hbr.org/2019/10/americans-need-to-get-over-their-fear-of-math

YOU are our
ADVOCATE!!

2. Hidden MATH IN OUR LIFE

Do you know math is helping us

Math is in

Shopping
Cooking/Baking
Tipping
Travel
Managing $$$
Home Improvement

Standard Size of Room (Dimensions in Feet)			
ROOM	LARGE SIZE	MEDIUM SIZE	SMALL SIZE
Living Room	22 x 28	16 x 20	11 x 16
Bedroom	11 x 16	11 x 11	10 x 10
Master Bedroom	16 x 22	16 x 20	11 x 16
Bathroom	6 x 6	5 x 5	4 x 4
Kitchen	16 x 20	10 x 16	6 x 10
Dining Room	16 x 16	11 x 16	8 x 10
Store Room	11 x 16	8 x 10	6 x 6
Study Room	11 x 16	11 x 11	10 x 10
Lobby	8 x 16	8 x 10	6 x 6
Laundry Room	8 x 10	6 x 8	3 x 6

6 ft = 72 inches

10 ft = 120 inches

COMPARISON

Standard square tile sizes

SMALL	MEDIUM	LARGE
1/4" x 1/4"	3" x 3"	6" x 6"
1/2" x 1/2"	4" x 4"	8" x 8"
1" x 1"	5" x 5"	12" x 12"
2" x 2"		16" x 16"
		24" x 24"

Math is in

Shopping
Cooking/Baking
Tipping
Travel
Managing $$$
Home Improvement
Health and Fitness
Technology
Sports
Coming to this workshop!

$$\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2}$$

← To Downtown
Ocean Drive
Naval Air Station Gate →
University Beach
KEY
20 Bay Hall (BH)
23 Mary and Jeff Bell Library (LIB)
6 Boat Barn
25 Center for Instruction (CI)
19 Center for the Arts (CA)
26 Center for the Sciences (CS)
9 Central Receiving
32 Chapman Pressbox
13 Classroom West (CW)
16 Corpus Christi Hall (CCH)
34 Dining Hall
35 Driftwood (DRIFT) Counseling Center
30 Dugan Wellness Center (DWC)
14 Early Childhood Development Center (ECDC)
14A Education Center for Mathematics and Science (ECMS)
10 Engineering Lab
24 Faculty Center (FC)
33 Field House (FH)
28 Dr. Robert R. Furgason Engineering Building (RFEB)
27 Glasscock Center (GSSC) Center for Academic Student Achievement
1 Harte Research Institute (HRI)
31 Island Hall (IH)
22 Islander Welcome Center
37 Miramar University Housing
38 Momentum Village University Housing
2 Carlos Truan Natural Resources Center (NRC)
15 Michael and Karen O'Connor Building (OCNR)
18 Performing Arts Center (PAC)
5 Physical Plant / SSC
8 Print Shop
7 Purchasing (PROC)
36 Sandpiper (SAND) Health Services
3 Science Lab 1
4 Science Lab 2
21 Student Services Center (Round Building) (SSC)
12 Tidal Hall (TH)
29 University Center (UC)
Campus Store
11 University Police Department (UPD)
17 University Services Center (USC)
Starfish Lot
HRI Lot
NRC Lot
Seahorse Lot
Bayside Parking Garage
Jellyfish Lot
Turtle Cove Lot
Curlew Lot
Seabreeze Lot
Sand Dollar Lot
Tarpon Lot
Hammerhead Lot
Island Boulevard
Starfish Lane
Bus Lane Only
Angel Fish Drive
Angel Fish Lot
Surf Lane
Seagull Lane
Oso Lane
Dolphin Lane
Bayview Lane
Wavecrest Drive
Curlew Lane
Sand Dollar Boulevard
Miramar Lane
Plaza
ATM
Pool
Modular Building 1
R0
R1
R2
R3
R4
R5
R6
R7
R8
MOMENTUM CAMPUS
M1 Sand Volleyball Courts
M2 Dr. Jack Dugan Family Soccer & Track Stadium
M3 Thomas J. Henry Tennis Center
M4 Rec Sports Momentum Office
M5 UPD Substation
M6 Woo Sung Lee Alumni Center
Ennis Joslin Rd.
Nile Dr.
Islander Way
L Loading Dock
ATM Wells Fargo ATM
K Entry Kiosk
Palapa
Unisex Restroom
Jogging Trail
B Bus Stop: University
O Information Map
PARKING
Student/General
Reserved/Vendor
Parking Garage
Resident Student
Handicapped
Motorcycles
Visitors
30-Minute
Drop-off Zone
Bicycle Rack
CAMPUS SPEED LIMIT IS 20 MPH UNLESS OTHERWISE POSTED
N
TEXAS A&M UNIVERSITY CORPUS CHRISTI

Why do we Need Math in Our lives?

THINK

Why do we Need Math in Our lives?

MAKE A BETTER DECISION

3. Fun Games!

We encoded **our sincere message** to you coming to the workshop. To encode our message, here are a few steps to follow. 😊

First, assign numeric values to each letter of alphabet in the table below. We started the letter A for you.

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2											
N	**O**	**P**	**Q**	**R**	**S**	**T**	**U**	**V**	**W**	**X**	**Y**	**Z**
												26

Second, use $f(x) = x + 3$ and its inverse function to find the message.

$$y = x + 3 \quad \rightarrow \quad x = y - 3$$

1

$y = 4$

$x = 1$ (A)

"$\boxed{y=4}$"

Input Output

Encode	Decode	Our Message
23	$x = 23 - 3 = 20$	
11		
4		
17		
14		
28		
18		
24		

THANK YOU