

Scavenger Hunt/Escape Room Overview

- 1) Staff-members will be in teams of 7-10 in classrooms scattered across the school (although they don't necessarily need to be in a classroom if we don't want them to).
- 2) Each group needs to have a certain number of staff-members/teachers (e.g. 1 from science, 1 from office staff, etc.)
- 3) Groups can separate to do different tasks, but there must be at least 3 people together at a time (2 people can't go off on their own)
- 4) The goal is to get a phone number. Each activity will reveal 1-2 numbers for a phone number
- 5) Activities can be done in any order
- 6) The winner is the first group to text the word from #9 to the phone number

1) Simple Cypher With Emojis: 54

2) Maze: Solve it to add up the appropriate numbers

3) Math: Find area of shapes – black triangle in middle or awkward shapes; add them a. No calculators

4) Puzzles/Locker: Gummy Bear Puzzle

5) Science: Periodic Table (Periodic Table word maker) for library book (one number)

6) Word Puzzle

7) Digital Clock:

8) 3 activities in the gym or outside; (each add up together to reach the number)

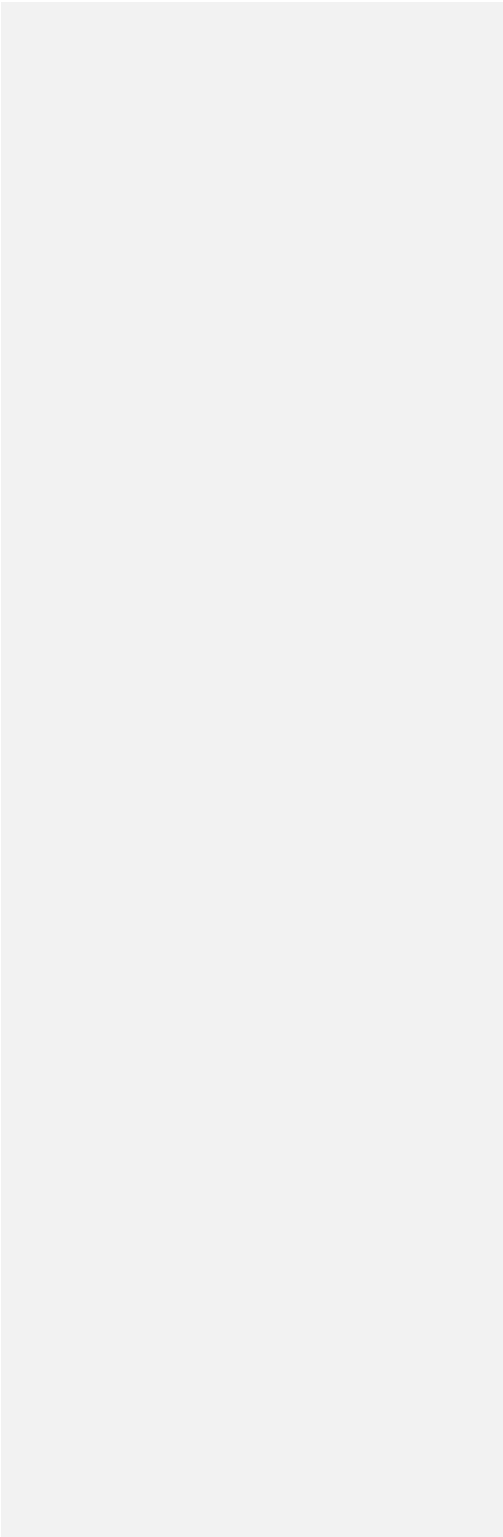
- a. Egg obstacle course on a spoon
- b. Writing on someone's back
- c. Charades

9) Sudoku: strngtogether/teamwork

Team _____
Team Names:

Phone Number

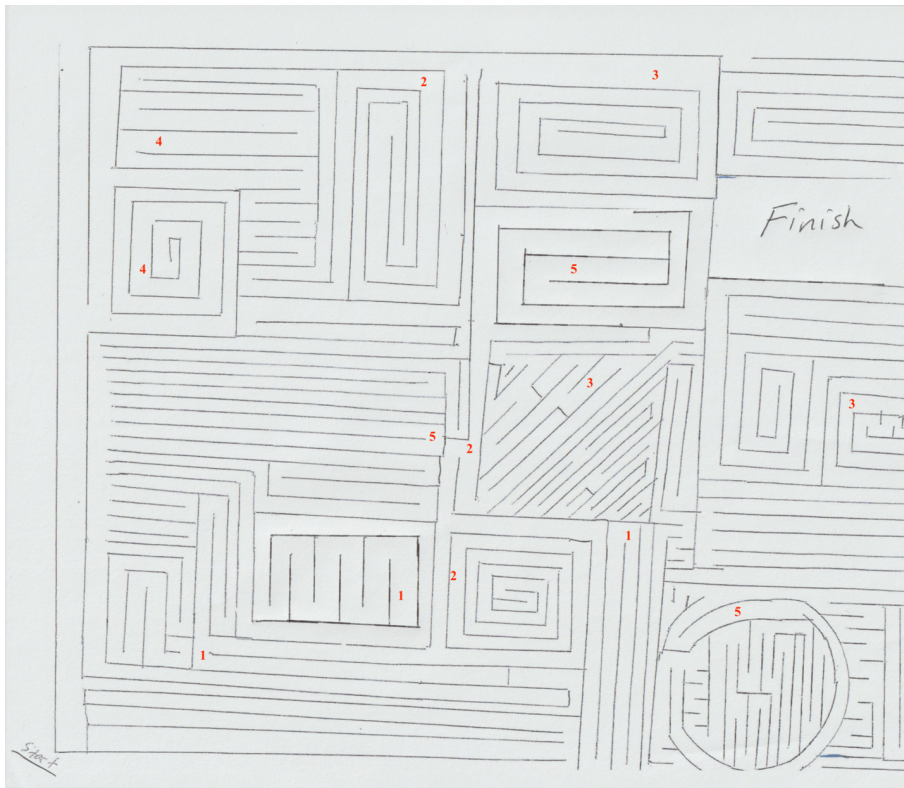
(_____) _____ - _____ - _____
Clue # 1 1 2 3 4 5 5 6 7 8



$Z =$ 

Answer Key: The first two numbers in the phone number are five and four (48 characters)
Telefon numarasındaki ilk iki numara beş ve dört (41 characters)

2) Maze: Solve this maze. The numbers on the correct path will add up to the next digit in the phone number.



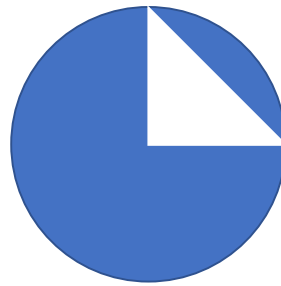
3) Math

Solve for X

$$x = \sqrt[4]{81} + \frac{12!}{5^2} \div (2^{10} \times \frac{7}{3^5} \times \sqrt[4]{14641})$$

Solve for Y

y = the area of the shaded region; r = 2.5 cm
Round to the nearest .5



The final number is $\frac{y-.5}{x}$

(If you did the math right, it should be a whole number between 1 and 10).

Clue 4: In Locker XX, there is the next digit. Unfortunately, there's a lock on it, so getting in will be tough. The locker combination is contained in the picture below. Good luck reading the pattern!

Commented [C1]: We need to buy 4 locks so that not everyone will be crowded around the same lockers



5) Periodic Table

(Somewhere in the packet, there will be a Periodic Table; they'll have to find out what the numbers mean—they translate as Library/Go to Library—and then translate random sentences to numbers to find the book in the library that they need to get the next digit in the phone number. The number in the library book will be “62”)

34-18-6-1 3-35-18-39 (8 to find)

19-92-T-92-15-1-A-7-99-53 (7 to find)

Call Number: YbH.BeLiN.HfB

Commented [C2]: Take this out for team copy

The Periodic Table

1 H																
3 Li	4 Be											5 B	6 C	7 N	8 O	
11 Na	12 Mg											13 Al	14 Si	15 P	16 S	
19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	
37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	
55 Cs	56 Ba	57-71 La	72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po	
87 Fr	88 Ra	89-103 Ac	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113 Nh	114 Fl	115 Mc	116 Lv	
57 La	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb			
89 Ac	90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No			

6) **Word Puzzle:** Solve the puzzle below. Add up the numbers from the correct answers.

		Favorite Classes					Club				
		Science & Math	Languages	The Arts	PE	Literature	World Scholars	Drama	Student Council	Model UN	Volunteering
Student Names	Ada	1	2	3	4	5					
	Defne										
	Emre										
	Oğuz						1	2	3	4	5
	Yasemin										
Club	World Scholars										
	Drama										
	Student Council										
	Model UN	1	2	3	4	5					
	Volunteering										

Five students at Koç—Ada, Defne, Emre, Oğuz, and Yasemin—love all of their classes, but each has a favorite type of class: Science & Math; Languages; The Arts; PE; or Literature. In addition, each of them is doing one after-school club. Using the clues below, match the student with their favorite class and the club they're participating in.

- 1) The student who does World Scholars and the student who loves The Arts the most are **not** named Defne or Yasemin.
- 2) Oğuz's favorite subject is either PE or Literature.
- 3) The person whose favorite subject is Literature is on Student Council.
- 4) Defne's favorite class is **not** Literature and she is **not** on Model UN.
- 5) Emre, Oğuz, and the student who prefers Science & Math are not in World Scholars or Student Council.
- 6) Regarding Ada and Oğuz: one loves Languages and the other is in Drama.

		Favorite Classes					Club				
		Science & Math	Languages	The Arts	PE	Literature	World Scholars	Drama	Student Council	Model UN	Volunteering
Student Names	Ada	X	O	X	X	X	O	X	X	X	X
	Defne	O	X	X	X	X	X	X	X	X	O
	Emre	X	X	O	X	X	X	X	X	O	X
	Oğuz	X	X	X	O	X	X	O	X	X	X
	Yasemin	X	X	X	X	O	X	X	O	X	X
Club	World Scholars	X	O	X	X	X					
	Drama	X	X	X	O	X					
	Student Council	X	X	X	X	O					
	Model UN	X	X	O	X	X					
	Volunteering	O	X	X	X	X					

7) PE/Arts Activities

- a. Egg obstacle course with a spoon
- b. Writing on someone's back
- c. Charades

When the team completes one, they'll get a number. Numbers add up to make the number in the phone number

8) Clock

So this one will be the most difficult one to figure out, but easiest to solve once you do. On top of the real clock, there will be a fake digital clock paper taped under it—or on the board.

Below will be two phrases:

." (or black & white)

1) Phrases on the wall or in the packet

- a. Broken clock on the wall to show it
- b. "The opposite of wrong must be right"
- c. "Time is backwards in this room"
- d. "It's not what you have that matters; it's what you *don't* have"
- e. "Sometimes...what's red is white, and what's white is red"
- f. "Time adds up"

Here's basically what they'll see (this is a rough sketch...it'll be much cleaner in final form.



The goal is for them to realize they're looking at the opposite of a digital clock. So it really says 12:30, adding up to 6 ("Time adds up").

If the real digital clock is kept blinking with this below, I think it'll make it easier for the participants to discover what to look for.



Final Task: Sudoku

Participants do the sudoku, and if they fill it in right they'll be able to get the phrase "KoçOkul" or something like that). This will be the phrase they text to the phone number.

Notes: I have to fix the hearts. Answer key's below.

U		Ç			K			
K		O	S	U				
□	S							O
Ç			K			C	O	
S		U						□
		C		H	U			
	Ç				C			H
		S				O		L
H	O						C	

U	H	Ç	L	O	K	□	S	C
K	C	O	S	U	□	L	H	Ç
□	S	L	Ç	C	H	K	U	O
Ç	□	H	K	L	S	C	O	U
S	K	U	C	Ç	O	H	L	□
O	L	C	□	H	U	S	Ç	K
L	Ç	K	O	S	C	U	□	H
C	U	S	H	□	Ç	O	K	L
H	O	□	U	K	L	Ç	C	S