

CS50 and Facebook present  
**CS50x Puzzle Day**

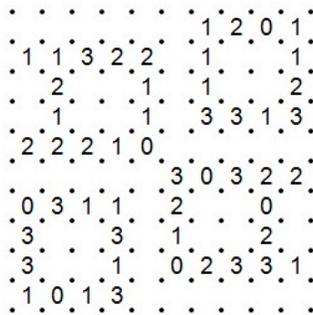
February 12 – 13, 2016

- This packet contains 12 puzzles, each of which is independent of all the others.
- The answer to each puzzle is a single word, short phrase, or proper name in English.
- **One** member of your team should input all of your answers at <http://cs50.edx.org/puzzles/submit> anytime before 23:59 (in your own time zone) on Saturday, February 13, 2016.
- You may use the Internet and any other resources at your disposal.
- You are encouraged (but not required) to work on a team with 1, 2, or 3 classmates or friends, either in person or online.
- Have fun and good luck!

# Puzzle #1: 8000 Words

“It’s kind of like trying to sing the words to the Macarena. You can sound out the words but you have no idea what you’re singing.”

- Stargate Atlantis, “Echoes”



Answer: \_\_\_\_\_

## Puzzle #2: Bento Boxes

“You can’t connect the dots looking forward; you can only connect them looking backwards. So you have to trust that the dots will somehow connect in your future.”

- Steve Jobs

ス	セ	ソ
ツ		ト
ヌ	ネ	ノ

			S
		M	
	M	L	T

			M
H			
P			
		P	L

B	P	N
K	Q	F
M	R	

A	L	X
B		G
C	E	E

Answer: \_\_\_\_\_

### Puzzle #3: Fill-Ins

“Five of them, three of us. Hardly seems fair. Maybe we should give them a chance to surrender.”

- *The Three Musketeers*

**COUNT  
COYOTE  
DALTREY  
DIAMONDBACK**

**HE  
HUDDLE  
HULU  
MONDAY**

**NETFLIX  
SHE  
TOWNSHEND  
TUESDAY**

---

ROUND ONE

\_\_\_\_\_ , \_\_\_\_\_ ,          

\_\_\_\_\_ , \_\_\_\_\_ ,               

\_\_\_\_\_ , \_\_\_\_\_ ,                    

\_\_\_\_\_ , \_\_\_\_\_ ,                    

\_\_\_\_\_ , \_\_\_\_\_ ,                                   

\_\_\_\_\_ , \_\_\_\_\_ ,                                        

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ROUND TWO

\_\_\_\_\_ , \_\_\_\_\_ ,               

\_\_\_\_\_ , \_\_\_\_\_ ,                    

\_\_\_\_\_ , \_\_\_\_\_ ,                         

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Answer:

### **Puzzle #4: Quick Message**

“Then again, maybe some of you have come to Hogwarts in possession of abilities so formidable that you feel confident enough to not pay attention.”

- *Harry Potter and the Sorcerer’s Stone*

I was sitting on my computer when a friend rushed by, staring intently at something. He shoved me aside and, still looking at the figure in the distance, hurriedly typed something before running off towards it. When I looked at the screen it read:

ueuag rKJ AGIQ GIAR FEgN

What important message was my friend trying to tell me?

Answer: \_\_\_\_\_

**Puzzle #5: Not Yours**

“Aboard my ship, excellent performance is standard, standard performance is substandard, and substandard performance is not permitted to exist.”

- *The Caine Mutiny*

OVER /	YOU /	VERTICAL 2	WITHIN 2	EVEN 2	UNDER /
THREE /	TAKE /	EDGES 2	THE 2	STRAIGHT 2	CENTER /
OF 2	IN 3	AND 4	MIX 3	AND 3	ONCE 2
THEN 2	LETTERS 3	FROM 3	LEFT /	TO /	THE /
WORDS 2	FOUR 4	BOX 4	CONTAINED 2	BETWEEN /	RIGHT /
STIR /	ALL 2	CORNERS 2	SQUARES /	FINISH 0	AND 0

Answer: \_\_\_\_\_

**Puzzle #6: #strictly**

“I got a triple word score with a double letter Q. If that’s not a time to bust out the Scrabble dance, what’s the point of having one?”

- *The Big Bang Theory*, “The Perspiration Implementation”

OTROT 1

SCO 2

UARE 5

CALSO 6

BALT 6

ZBA 2

PLA 4

ALT 1

IE 2

ANO 3

COG 3

CIKEN 6

**B****R**EAK 2

A ~~B~~ C D E F G H I J K L M

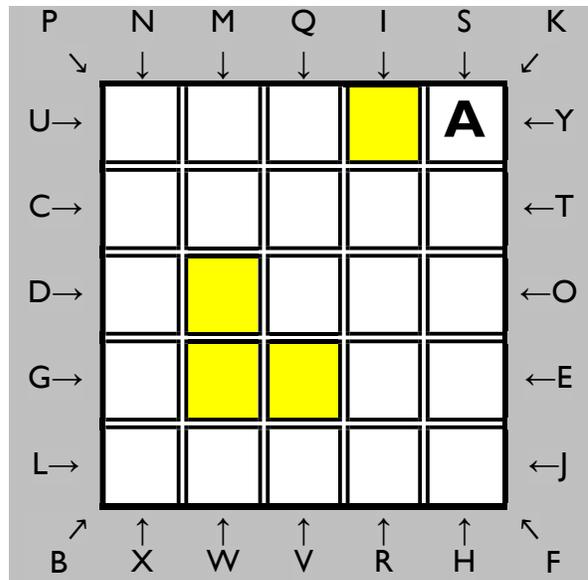
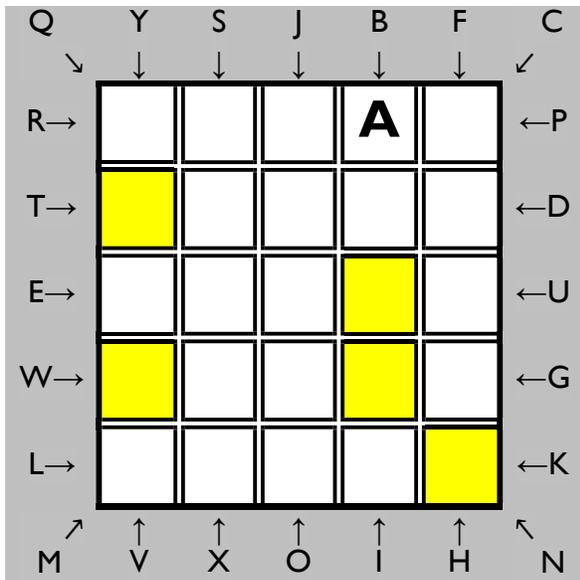
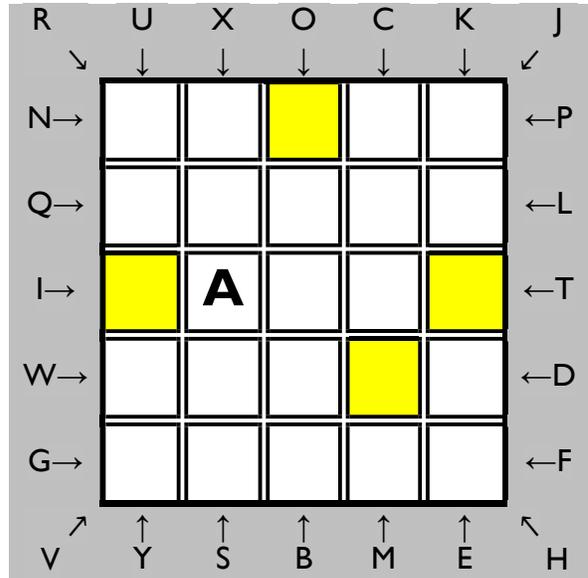
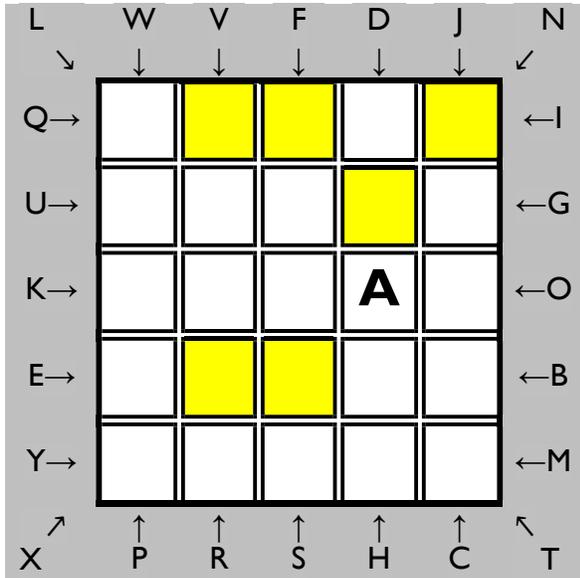
N O P Q ~~R~~ S T U V W X Y Z

Answer: \_\_\_\_\_

## Puzzle #7: Pathfinder

“For the path you will take will lead you to certain destruction!”

- Labyrinth



Answer: \_\_\_\_\_  
 (just submit this word)

## Puzzle #8: Missed Connection

“No good movie is too long, and no bad movie is short enough.”

- Roger Ebert

Movie critics Phil Mofile and Mou Vefan don't have much in common. Can you figure out what the only movie they both like is?

### Film 1

**Phil:** This movie—what can you say other than “fantastic”? Superb acting with great cinematography. Oscar front-runner!

**Mou:** I didn't really care for that flick. Apart from the confusing dialogue and poor lighting, the soundtrack was awful. It's absurd to call it a candidate for picture of the week, let alone an Oscar.

### Film 2

**Phil:** Ugh. The plot was hackneyed, the camera work was not good at all, and the climactic scene was stupid because it was obvious who the winner would be.

**Mou:** I loved this one from start to finish. Edge of your seat type stuff. Expect this movie to come out a winner come award season.

### Film 3

**Phil:** The book was great, but this movie effort was ruined entirely in the execution. Who directed this? Surely not the esteemed gentleman whose name shows up in the credits.

**Mou:** I didn't care much for its novel form—despite that, it sure made a phenomenal film. Directed by a maestro, as we all know, and he did a simply wonderful job.

### Film 4

**Phil:** By its finish, I was applauding out loud. Special effects were amazing, and I need more of these characters. Sequel, please!

**Mou:** Bored halfway through. The movie finally mercifully ended; by the time the credits rolled, it felt like it had been ten hours.

### Film 5

**Phil:** Ben Affleck is the only bright spot. Virtuoso performance as the twenty-something struggling with depression—really showcases his range as one of the best alive.

**Mou:** When you write this script, you need a great actor to pull it off. Affleck falls painfully short. A Philip Seymour Hoffman or a Heath Ledger would have been an infinitely better choice.

Answer: \_\_\_\_\_

## Puzzle #9: Seasons of Change

“The tree house was supposed to bring us more independence, but what the summer actually brought was independence from each other.”

- Now and Then

2016

M	T	W	T	F	S	S
				1	2	3 2
4	5	6	7	8	9	10
11	12	13	14	15	16	17 4
18	19	20	21	22	23	24
25	26	27	28 3	29	30 6	31

M	T	W	T	F	S	S
1	2	3 1	4	5	6	7
8	9	10 1	11	12	13	14 5
15	16	17	18	19 3	20	21
22	23	24 5	25 7	26	27 2	28
29	30	31				

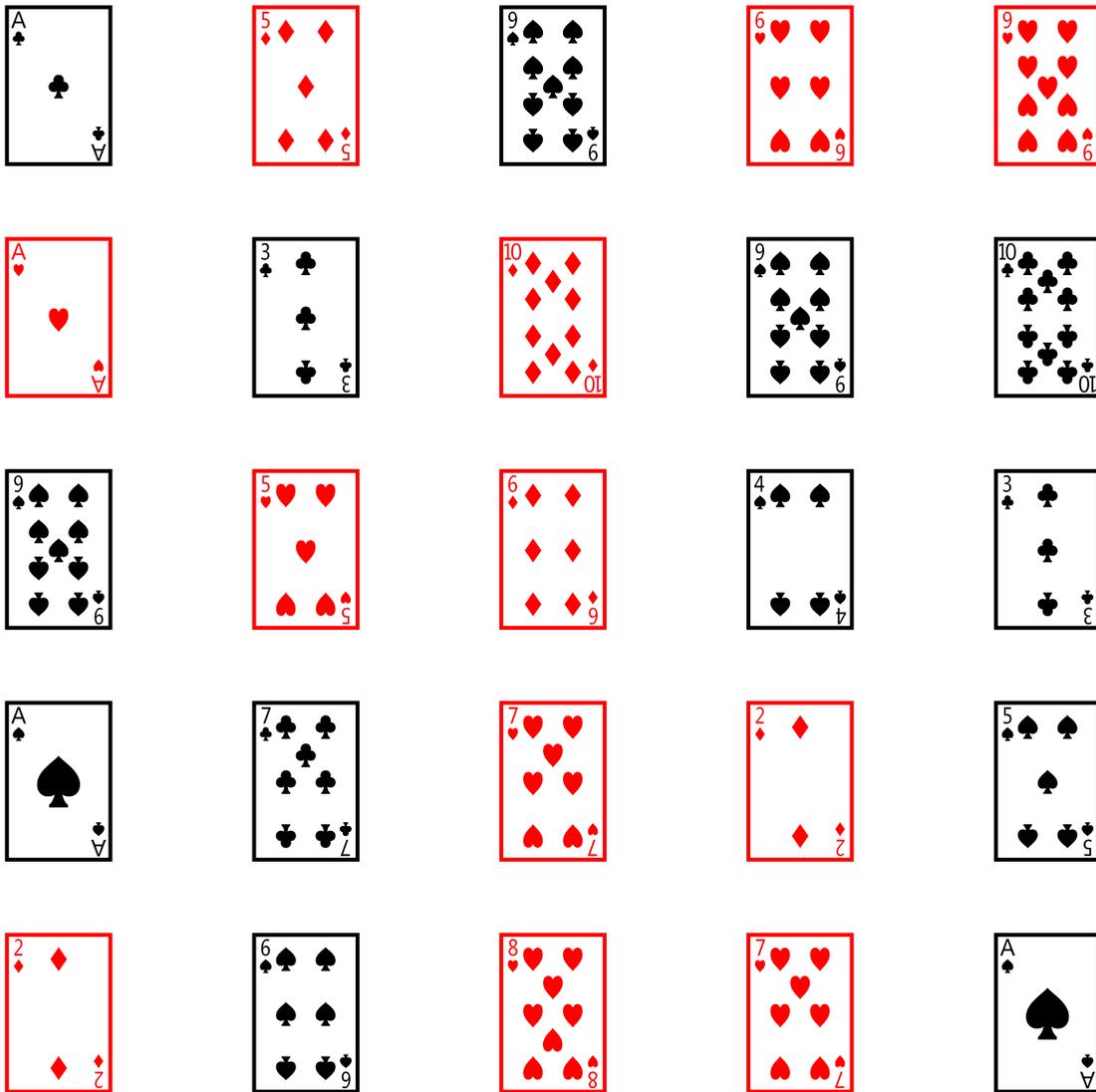
Answer: \_\_\_\_\_

## Puzzle #10: Play to Win

“Now casinos have house rules. They don’t like to lose. So you never show that you’re counting cards. That is the cardinal sin, Ray.”

- Rain Man

The below represents a perfectly interlocking grid of ten words and ten five-card poker hands (diagonals do not count).

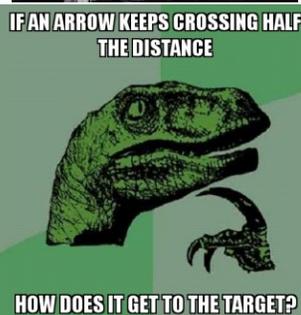
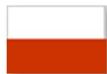
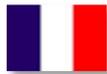


Answer: \_\_\_\_\_

# Puzzle #1 I: Historical Memes

“Each card has its own name: The Magician, The Empress, The Fool, The Wheel of Fortune, Strength. They represent challenges and tests, twists of fate. No card is all good or all bad.”

- My So-Called Life, “Other People’s Mothers”



???



9



MY SHIP HIT AN ICEBERG  
FIX IT! FIX IT! FIX IT! FIX IT!



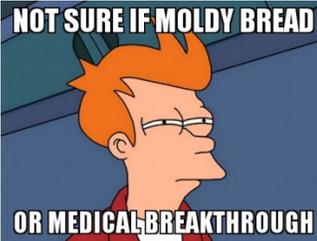
10



ONE DOES NOT SIMPLY  
WALK TO THE MOON



11



NOT SURE IF MOLDY BREAD  
OR MEDICAL BREAKTHROUGH



12



TO IMPRESS A MOVIE STAR  
SHOOT THE PRESIDENT



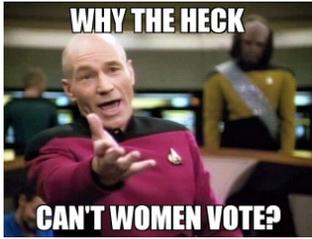
13



WORLD'S GREATEST COMPOSER  
CAN'T HEAR OWN MUSIC



14



WHY THE HECK  
CAN'T WOMEN VOTE?



15



CUTS OFF OWN EAR



16



AS GIFT TO PROSTITUTE  
FAIL TO FIND ASIA



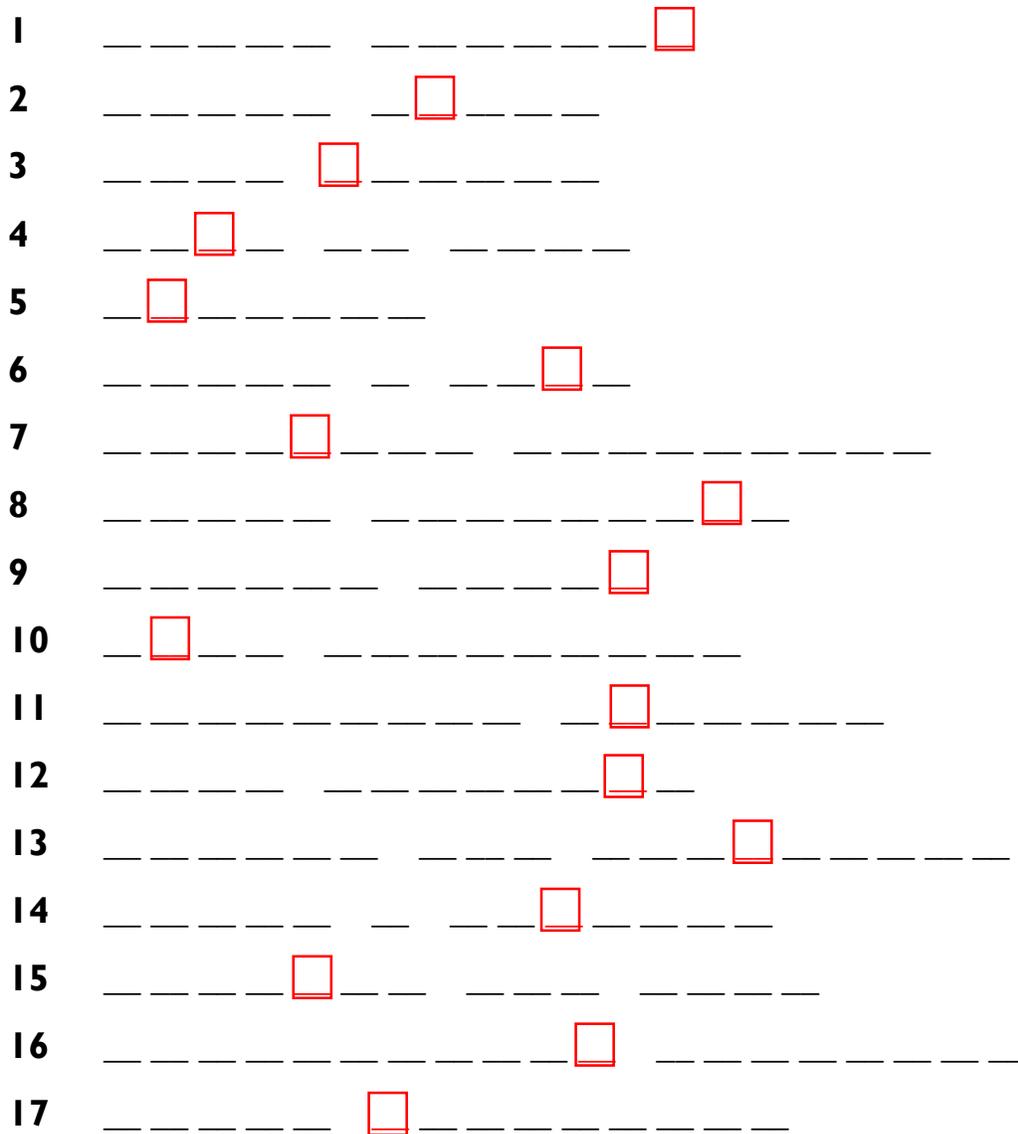
17



CALL NATIVES INDIANS ANYWAY  
I USED TO CONVERT PEOPLE TO  
CHRISTIANITY  
BUT THEN I TOOK AN ARROW TO THE  
EVERYWHERE



(modern)



Answer: \_\_\_\_\_  
(just submit this word)





C:

						5		1	1	1					
		3	5	5	9	2	4	2	1	1	3	1	3	1	5
	4	6	6	6	1	1	1	1	1	1	1	2	2	2	2
4															
6															
6															
62															
61															
111															
2222															
516															
631															
4211															
412															
422															
215															
11															
4															

Note: The yellow squares will **not** be filled in when the picture is complete.

A + B + C = Answer: \_\_\_\_\_