During Chicago Machine's team bonding activities, the following logic problems were given to each crew. With less than 10 minutes to work, the winning crew answered 14 of 23 correctly.

Answer Key:
https://docs.google.com/document/d/1gaRwQjS4vdL2HvhhixDUfmwv4J5a3yNfphy-xbDKPQo/edit

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1. What is… ?

Better than God
Worse than the devil
Poor people have it
Rich people need it
If you eat it - you will die

2. OTTFFSSEN….

What is the next letter?

3. On the 20th of July, 1929, a relative of AJ's bought a newspaper and saw a headline which puzzled him:

"A legendary pilot and hero from the First World War died in a car crash under mysterious circumstances."

Which word from this headline is so puzzling?

4. Dan is trying to get into Dane's apartment to steal the Machine warm-ups, but it can only be accessed by people who know the password.

Dan eavesdrops as Dane's neighbor approaches the security guard. The guard says FIVE. Then the neighbor thinks and answers back: 4. The guard opens the gates and the neighbor enters.

The next neighbor approaches and the guard says EIGHT. The neighbor thinks and says 5. The guard opens the gate and the neighbor enters.

The next neighbor approaches and the guard says SIX. The neighbor thinks a bit and then says 3. The guard opens the gate and the neighbor enters.

Now it's Dan's turn. The guard says SEVEN.

What does Dan need to say in order to enter?
5. Brett is up at his lake house. He is thinking of an item to throw when you need it and pick up when you do not need it.

What is it?

6. Chris and Von are talking about Wildfire.

They both say the truth except for the days when they always lie: Von lies on Monday, Tuesday, and Wednesday. Chris lies on Thursday, Friday, and Saturday. Today they say that they both were lying yesterday.

What day is today?

7. Rehmann is preparing to sail in the ocean for a month. On the ship all he has is:
- 50 lbs of meat
- 35 lbs of fish
- 20 lbs of vegetables
- 15 lbs of fruit
- Rusks
- Stove
- Fishing equipment

Just moments before he sails you stop him and say:
"Stop, you will die after 2-4 days if you don't have"…

8. Goose can't solve a mathematical problem (2581 = ?). While Cullen on the other side of the room is easily solving the same type of problems. You look at Cullen's list :

8809 = 6	3333 = 0
7111 = 0	5555 = 0
2172 = 0	8193 = 3
6666 = 4	8096 = 5
1111 = 0	7777 = 0
3213 = 0	9999 = 4
7662 = 2	7756 = 1
9312 = 1	6855 = 3
0000 = 4	9881 = 5
2222 = 0	5531 = 0

Help Goose out and tell him 2581 = ?

9. Steve has asked that Bob do some administrative work for the AUDL and wants to know how many letter "F"s are in the following sentence:

FINISHED FILES ARE THE RE-
SULTS OF YEARS OF SCIENTIF-
IC STUDY COMBINED WITH THE
EXPERIENCE OF YEARS

10. TK's co-worker Sam invites you to her home one night after the bars. She played CCR for the first time and is a little drunk. Her mother has four kids. Weirdly, their names are April, June, August, and…

What is the name of the fourth kid?

11. Stephan got up early to go grab some continental breakfast and left his book in your hotel room. It has 1000 pages.

The first page says "1 page is lying."
The second page says: "2 pages are lying."
The third page says: "3 pages are lying."
and so on until… the 1000th page says: "1000 pages are lying."

Which one page says the truth?

12. For some reason Xtehn has a ton of security to protect 5 Ultimate's inventory.

Room 1: There are 12 guards, armed with 6 swords and 6 spears.
Room 2: This room has 15 lions that haven't eaten for 5 years.
Room 3: This room is filled with poison gas.

If you want to steal a bunch of free jerseys, which room is the only safe one to sneak through? 1, 2, or 3?

13. Ron was going to get PT at the doctors office, when all of a sudden a gunshot patient was rushed in. There was a Chi-raq gang fight and the patient was badly wounded, and his father was killed. Ron was scoping things out when he heard one of the doctors saying: "I can't operate him, he is my son!"

How is this possible?

14. Some non-Nemesis chicks were swooning over Hubba Hubbard, and he told them they had the same chance as "It".

"It" is something which occurs once in every minute, twice in every moment, but never in a thousand years.

What is "It"?

15. Jack enjoyed Charlie's riddle and came up with one of his own. He wants you to guess the letter he is thinking of.

If you move up 3 from the answer to Charlie's riddle you get: P

With that in mind, go back 1 in the code below to decipher the clues and find out what letter Jack is thinking of.

uif cfhjoojoh pg fufsojuz
uif foe pg ujnf boe tqbdf

uif cfhjoojoh pg fwfsz foe,
Boe uif foe pg fwfsz qmbdf

What letter is Jack thinking of?

16. Fergus pulls a rookie move and forgot his cleats at home. You're by his place and need to grab him a matching pair from his closet?

You go to the closet, but it is completely dark. You know that there are 6 pairs of black cleats and 6 pairs of red cleats.

How many cleats must you take in order to be sure that you can get a pair of left and right cleats that match?

17. Sheehan is doing cross fit and needs to make it to the top of tall ass hill. He is really slow and only manages to jog up the hill 3 feet each day, but at night he has to rest and so he slips back down 2 feet.

If the hill is 30 feet, how many days will it take for him to get to the top?

18. Wego is is trying to brush up on his geography and asks you to answer a question for him.

Before everest was discovered, what was the tallest mountain in the world?

19. Pat, Animal, and Wiseman need discs to practice their throws on their own. They have a bag full of discs, and they want to make sure each one of them gets an equal amount of discs so that nobody gets more than the others. Wiseman went into the bag first and and wanted to take his share. He realized that there were more discs than could be split in 3 equal parts, so he threw one disc away, took his share, and left without telling the other two that he had taken any.

Then Animal stopped by the disc bag to take his share, not knowing that Wiseman had already taken any. He too realized that there would be more discs than could be split equally among the three, so he too threw one disc away, took his share, and went on his way without telling the others he had taken any.

Finally, Shriwise went to the disc bag, not knowing that either teammate had been there already. He too realized that there would be more discs than could be split equally among the three, so he too threw one disc away, took his share, and went on his way without telling the others he had taken any... leaving 6 discs.

How many discs were in the bag when Wiseman originally opened the bag?

20. Someone threw a rogue disc that broke a car window.

Who broke it you are asking?

Slover: It wasn't me?
KK: I didn't do it?
Walden: KK did it!
Beamer: Walden says the truth!

(Two of them said the truth and two of them lied).

You ask them again:

Slover: It was Beamer!
KK: Walden didn't do it!
Walden: KK didn't do it!
Beamer: Slover is lying!

(Now the two who said the truth lied, and the two who lied said the truth.)

Who broke the window?

21. Goose was asked to do more math, and now he needs Tommy's help:
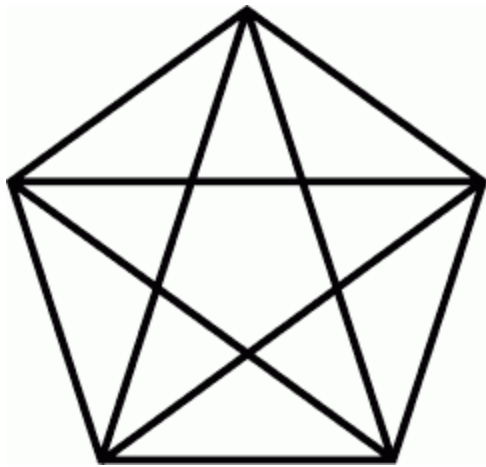
1
3 5
7 9 11
13 15 17 19
21 23 25 27 29
31 33 35 37 39 41

…

How much should Tommy tell Goose is the sum of the numbers from the 20th row?

22. How many triangles are in the image below?

23. Neal doubles his size every 1 year. At this pace in 13 years he would reach his "implosion size", in which he is so large that gravity becomes too strong and he collapses into himself.

How many years until he reaches half his "implosion size"?
*Questions based on game from formerly existing site: proveyourlogic.com

*Answers based on solutions from:
http://blog.gg8.se/wordpress/2007/12/20/answers-to-the-proveyourlogiccom-test-spoilers/