

The Great Computer Challenge 2016

Internet Scavenger Hunt

Level II

Instructions:

Solve **all** ten problems as completely as possible. Partial answers will be accepted. Note that only the final URLs are required.

This form must be completed for the judges.

Keep these points in mind:

- The URLs are required. Even if you know the answer, you *must* find the information on the Internet and list the URL where you found the answer.
- Some of the problems may have more than one question.
- Put your school name on each page.
- This document is available on media in Microsoft WORD format. You may use it to copy and paste your answers from the browser to the document. You *do not have* to use the document. If you prefer, you may use the printed copy and write your answers in the spaces provided.
- You must turn in a printed version of your completed form for judging – again, you may have written on the form, or you may have used the computer version. Either is fine, but make sure you have a paper document to hand in at the end of the competition.

1. What do the words exaltation, cry, peep, and band have in common? In this context what would unkindness mean?

Final URL(s): <http://baltimorebirdclub.org/qnlist.html> <http://www.birdnature.com/groupnames.html>

Answer(s): they are all groups of birds and an unkindness is a group of ravens

2. What is the second largest island in the contiguous United States?

Final URL(s): <http://www.worldislandinfo.com/USLARGESTV1.html>

Answer(s): Kodiak Island, Alaska

3. If you wanted to solve partial differential equations using water what computer would you use?

Final URL(s): <http://pruned.blogspot.com/2012/01/gardens-as-crypto-water-computers.html>

Answer(s): Vladimir Lukyanov's marvelous water computer.

Built in 1936, this machine was "the world's first computer for solving [partial] differential equations

4. What was the first computer that actually had a real "moth" stuck in it, that later spawned the word "bug"?

Final URL(s): <http://thenextweb.com/shareables/2013/09/18/the-very-first-computer-bug/#qref>

Answer(s): Grace Hopper's Harvard Mark II Computer

5. If you told an electronic engineer that you would be back in a Jiffy, how long would they expect that to be?

Final URL(s): [https://en.wikipedia.org/wiki/Jiffy_\(time\)](https://en.wikipedia.org/wiki/Jiffy_(time))

Answer(s):

approximately 33.3564 picoseconds.

6. If a computer scientist mentions a "nibble" of data, how many bits would he be referring to?

Final URL(s): <http://stackoverflow.com/questions/101290/how-many-bits-are-there-in-a-nibble>

Answer(s): 4 bits

7. How many calories would you add if you ate double patty hamburgers all day? One in every 5 minutes?

Final URL(s): [https://www.fatsecret.com/calories-nutrition/usda/hamburger-\(double-patty-with-condiments\)](https://www.fatsecret.com/calories-nutrition/usda/hamburger-(double-patty-with-condiments))

Answer(s): 165,888 calories

8. If you built a ladder with the gap between each step equal to the size of the tallest mountain in the world until you reach the sun, how many steps would you have in that ladder?

Final URL(s): <http://www.space.com/17081-how-far-is-earth-from-the-sun.html>
https://en.wikipedia.org/wiki/Mount_Everest <http://www.eng-tips.com/viewthread.cfm?qid=159862>

Answer(s): about 460,678,648 steps

9. If a computer scientist messaged you a message such as c00l d00d, what kind of "speak" is being used?

Final URL(s): <http://www.urbandictionary.com/define.php?term=1337%20speak>

Answer(s): Leet or 1337

School: Windsor Elementary School, Isle of Wight

10. How many times was SpaceX successful in sea recollection landings?

Final URL(s): <http://www.theverge.com/2016/4/8/11392138/spacex-landing-success-falcon-9-rocket-barge-at-sea>

Answer(s): twice