

**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://herbweb.org/animals-collective-nouns.html>

*Answer(s):*

They all mean a group of a certain type of animal. 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):*

Isle Royale, Michigan

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

*Final URL(s):*

<http://www.dictionary.com/browse/partial-differential-equation?s=t>

<http://www.smithsonianmag.com/smart-news/computer-1949-runs-water-180953482/?no-ist>

*Answer(s):*

a differential equation containing partial derivatives.

The MONIAC (which stands for Monetary National Income Analogue Computer)

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://www.computerhistory.org/timeline/popular-culture/169ebbe2ad45559efbc6eb35720cf65f/>

*Answer(s):*

Harvard Mark II

School: *Norfolk Collegiate School*

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):

1/60 or 1/50 of a second

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

Final URL(s):

[https://en.wikipedia.org/wiki/Nibble#Extracting\\_a\\_nibble\\_from\\_a\\_byte](https://en.wikipedia.org/wiki/Nibble#Extracting_a_nibble_from_a_byte)

Answer(s):

Half-byte

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

Final URL(s):

<http://www.rapidtables.com/calc/time/minutes-in-day.htm>

<http://www.free-hosting.biz/division/1440-divided-5.html>

<https://www.caloriecount.com/calories-hamburger-large-double-patty-i21114>

[https://www.google.com/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#q=540\\*288](https://www.google.com/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#q=540*288)

Answer(s):

155520

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.livescience.com/32594-which-mountain-is-the-tallest-in-the-world.html>

<http://www.space.com/17081-how-far-is-earth-from-the-sun.html>

<https://www.google.com/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#q=space%20converter>

<https://www.google.com/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#q=490806660960%2F33500>

<https://www.google.com/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#q=490806660960%2F33501>

Answer(s): 14650508

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.netlingo.com/search.php>

<http://www.urbandictionary.com/define.php?term=1337%20speak>

<http://stackoverflow.com/questions/21109862/making-a-leet-speak-translator>

<https://en.wikipedia.org/wiki/Leet>

Answer(s);

leet speak

School:

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):

once