**October Facts Internet Hunt**

**Directions:** Click on the colored, underlined words to follow the link. Find the answer and write it on your answer sheet.
Click the Back button to return to this hunt page. ([These getting back tips](http://www.mrsoshouse.com/ext/getback.pdf) may be helpful) [pdf worksheet](http://www.mrsoshouse.com/ext/oct.pdf)

1. For those of us who live in Northeastern America, the brightly colored, fall leaves are a glorious sight.
What three factors give the leaves their [many fall colors](https://www.fs.usda.gov/naspf/sites/default/files/naspf/pdf/why_leaves_change_color_508_20170808.pdf)?

2. One way to sort trees is to identify them as [deciduous or evergreen](http://www.newworldencyclopedia.org/entry/Deciduous).

Explain the difference.

Some people think that weather changes in the fall cause the deciduous trees to lose their leaves.
This is incorrect. What does cause deciduous trees to [lose their leaves each fall](http://dnr.wi.gov/org/caer/ce/eek/veg/trees/treestruecolor.htm)?

Weather is a factor in the **coloration of the leaves in fall**.
List [three weather factors](http://www.fs.usda.gov/wps/portal/fsinternet/%21ut/p/c4/04_SB8K8xLLM9MSSzPy8xBz9CP0os3gjAwhwtDDw9_AI8zPyhQoY6BdkOyoCAGixyPg%21/?navtype=BROWSEBYSUBJECT&cid=fsm9_029283&navid=100000000000000&pnavid=null&ss=110803&position=Not%20Yet%20Determined.Html&ttype=detail&pname=Chattahoochee-Oconee%20National%20Forest-%20Special%20Places) that contribute to the color of the leaves.

3. The Hickory is a [very useful tree](http://homeguides.sfgate.com/uses-hickory-tree-99445.html).
List 3 different ways people use them.

Name a nut you have eaten.

Check it out - Does the nut you ate grow on a tree, like a hickory nut does? (Research required)

4. Pumpkins are popping up practically everywhere!  [How did the Colonists cook pumpkin pie](http://urbanext.illinois.edu/pumpkins/facts.cfm)?

Is this: the same as | kind of like | or very different from - the way you've had pumpkin pie.

5. Chickadees gather and store seeds to [prepare for winter](http://www.hww.ca/assets/pdfs/factsheets/black-capped-chickadee-en.pdf).
What is this "storing" behavior called?

6. October 5th is National Change a Light day.
Why should we change away from using [incandescent light bulbs](http://www.nytimes.com/2013/03/21/technology/personaltech/cheaper-led-bulbs-make-it-easier-to-switch-lights.html?pagewanted=all&_r=0)?

Estimate: What percentage of the lightbulbs in your home are fluorescent and/or LED?
([How to calculate a percentage](http://mathflix.luc.edu/NCTM_cat/NumberOperation/Proportion_Percent/nctm-number-operations-proportion-percent-math-videos.html) video at the Mathflix website) | Khan Academy [percentages videos](http://www.khanacademy.org/search?page_search_query=percentage)

There are always winners and losers in change.
How will the [change to a new light bulb](http://www.crainscleveland.com/article/20071004/FREE/71004018/ge-to-close-six-area-lighting-plants) have a negative impact on some people?

7. Frost is a form of precipitation. [How is frost formed](http://education.nationalgeographic.com/education/encyclopedia/frost/?ar_a=1)?

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| oolly worm caterpillar | 8. You spy a woolly bear caterpillar crossing the sidewalk. Its black bands are wider than the brown band. What weather does this predict? (Use your Internet search skills to learn the answer.)  |

9. The [Khan Academy](http://www.khanacademy.org/exercisedashboard) website provides free, online videos that explain many areas of mathematics.
Watch a video related to the math you are currently studying. (Hint: The Index will help you locate a video.)

I watched -

Describe a situation where you could use this math resource.

10. Write the names of the states that border your home state. Use an [online map](http://commons.wikimedia.org/wiki/File%3AMap_of_USA_showing_state_names.png) if you need help.