

## Scientific Notation Project

**1) Research.** Choose 4 facts that interest you.

- Two (2) facts must have a number of 1,000 or greater associated with them.
- Two (2) facts must have a number less than 1 associated with them.

**2) Use both standard form and scientific notation.** Convert the numbers from your facts into scientific notation.

**3) Synthesize and communicate your data.** Compile all of your data onto one sheet of paper (or poster board) with the following guidelines.

- Write each fact with the number in standard form and scientific notation.
- Make each fact fun to look at. Add some art, a drawing, or creative writing to entertain your audience.
- Include all the sources of your info. For example, state the URL of any webpage you used or the name of any book you referenced.
- Cut out and attach the following rubric to the back of your paper.

Name:	Hour:	
Included:	Points Possible	Points Deducted
2 facts with numbers of 1,000 or greater (1 pt each)	2	
2 facts with numbers less than 1 (1 pt each)	2	
All facts correctly converted into scientific notation (2 pts each)	8	
Each fact interesting to look at (1 pt each)	4	
All sources cited (1 pt each)	4	
Overall effort, creativity, and neatness	5	
<b>TOTAL</b>	<b>25</b>	

**Where can you find some interesting facts?**

- Any textbooks (science especially)
- Encyclopedias
- Websites:
  - School Facts: <http://www.chiff.com/a/back-schoolnumbers.htm>
  - Holiday Facts: <http://www.chiff.com/a/christmas-fun-facts.htm>
  - Richest People – 2008: [http://www.forbes.com/2008/03/05/richest-people-billionaires-billionaires08-cx\\_1k\\_0305billie\\_land.html](http://www.forbes.com/2008/03/05/richest-people-billionaires-billionaires08-cx_1k_0305billie_land.html)
  - Entertainer Salaries: [http://www.forbes.com/lists/2006/53/Compen\\_Salary.html](http://www.forbes.com/lists/2006/53/Compen_Salary.html)
  - Any other school-appropriate website

# Facebook

has

809,000,000 ( $8.09 \times 10^8$ )

monthly visits.



(<http://www.jeffbullas.com/2013/09/20/12-awesome-social-media-facts-and-statistics-for-2013/>)

25,800,000 ( $2.58 \times 10^7$ )

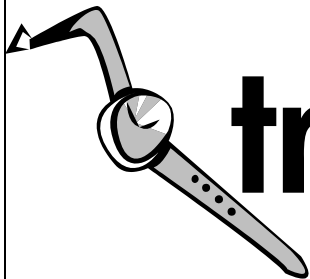
children and adults in the United States  
have

# diabetes.



(<http://www.diabetes.org/diabetes-basics/diabetes-statistics/>)

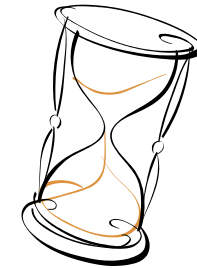
The tip of a  $\frac{1}{3}$  inch long  
hour-hand on a wristwatch



# travels at

0.00000275 ( $2.75 \times 10^{-6}$ ) mph.

(<http://funnyfact.com/funnystatistics.shtml>)



A “jiffy”

is an actual unit of time for

0.01 ( $1 \times 10^{-2}$ )

of a second.

(<http://www.dumbfacts.com/facts/directory-of-facts/statistics/>)