

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 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		
TOTAL	25		

Where can you find some interesting facts?

- Your math textbook
- Mrs. Magro's classroom books
- Any other textbook
- 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 lk_0305billie_land.html
 - Entertainer Salaries: http://www.forbes.com/lists/2006/53/Compen_Salary.html
 - Any other school-appropriate website

Facebook

has

809,000,000 (8.09×10^8)

monthly visits.

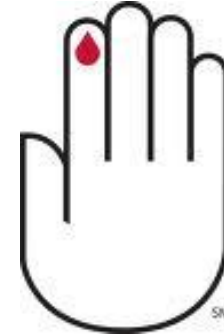


(<http://www.jeffbullas.com/2013/09/20/12-awesome-social-media-facts-and-statistics-for-2013/>)

25,800,000 (2.58×10^7)

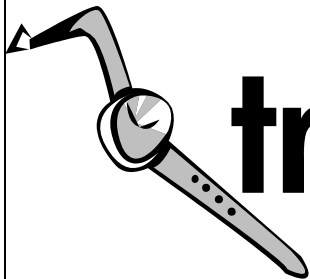
children and adults in the United States
have

diabetes.



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

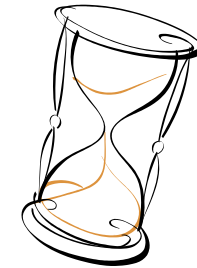
The tip of a $\frac{1}{3}$ inch long
hour-hand on a wristwatch



travels at

0.00000275 (2.75×10^{-6}) mph.

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



A “jiffy”

is an actual unit of time for

0.01 (1×10^{-2})

of a second.

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