

# SCIENTIFIC NOTATION PROJECT



NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

## Task

1. Choose 5 facts that interest you. The facts must have a number of 1,000 or greater associated with them. For example:
  - a. The Earth weighs 6,588,000,000,000,000,000,000 tons.
  - b. More than 15,000,000,000 prizes have been given away in Cracker Jack's boxes.
  - c. In 1993 there were approximately 64,000,000 cats in America.
  - d. The human body contains 70,000 miles of blood vessels.
  - e. 256,000,000 is the preliminary estimate of turkeys raised in the United States in 2005.
  
2. Convert the number from your fact into scientific notation. For example:
  - a. The Earth weighs  $6.588 \times 10^{24}$  tons.
  - b. More than  $1.5 \times 10^{10}$  prizes have been given away in Cracker Jack's boxes.
  - c. In 1993 there were approximately  $6.4 \times 10^7$  cats in America.
  - d. The human body contains  $7.0 \times 10^4$  miles of blood vessels.
  - e.  $2.56 \times 10^8$  is the preliminary estimate of turkeys raised in the United States in 2005.
  
3. Then, compile all of your data onto one sheet (see example) or you can make a booklet out of construction paper.
  - a. Make a cover page titling it "Interesting Facts in Scientific Notation" and decorate the cover.
  - b. Write each fact with the number in standard form.
  - c. Write each fact with the number in scientific notation.
  - d. Place some graphic or clipart next to each fact.

**DUE DATE: Tuesday, November 7, 2017**

# An Example of what should be in your finished project:

Fact 1: The Earth weighs 6,588,000,000,000,000,000,000 tons. The Earth weighs  $6.588 \times 10^{24}$  tons.



Fact 2: More than 15,000,000,000 prizes have been given away in Cracker Jack's boxes. More than  $1.5 \times 10^{10}$  prizes have been given away in Cracker Jack's boxes.



Fact 3: In 1993 there were approximately 64,000,000 cats in America. In 1993 there were approximately  $6.4 \times 10^7$  cats in America



Fact 4: The human body contains 70,000 miles of blood vessels. The human body contains  $7.0 \times 10^4$  miles of blood vessels.



Fact 5: 256,000,000 is the preliminary estimate of turkeys raised in the United States in 2005.  $2.56 \times 10^8$  is the preliminary estimate of turkeys raised in the United States in 2005.



## **SOME WEBSITES WITH INTERESTING FACTS**

1. <http://pages.prodigy.net/jhonig/bignum/indx.html>  
(Random Facts)
2. [http://www.chiff.com/a/turkey\\_census.htm](http://www.chiff.com/a/turkey_census.htm)  
(Fun Thanksgiving Day Facts)
3. <http://www.chiff.com/a/fun-facts-fourth.htm>  
(Fun Fourth-of-July Facts)
4. <http://www.chiff.com/a/back-schoolnumbers.htm>  
(Fun Back-to-School Facts)
5. <http://www.chiff.com/a/christmas-fun-facts.htm>  
(Fun Holiday Facts)
6. [http://www.forbes.com/2008/03/05/richest-people-billionaires-billionaires08cx\\_1k\\_0305billie\\_land.html](http://www.forbes.com/2008/03/05/richest-people-billionaires-billionaires08cx_1k_0305billie_land.html) (Richest People – 2008)
7. [http://www.associatedcontent.com/article/306778/fun\\_facts\\_about\\_mcdonalds.html](http://www.associatedcontent.com/article/306778/fun_facts_about_mcdonalds.html)  
(Fun Facts About McDonalds)
8. <http://content.usatoday.com/sports/football/nfl/salaries/teamresults.aspx?team=21>  
(NFL Salaries)
9. <http://content.usatoday.com/sports/baseball/salaries/default.aspx>  
(MLB Salaries)
10. <http://content.usatoday.com/sports/hockey/nhl/salaries/default.aspx>  
(NHL Salaries)
11. <http://content.usatoday.com/sports/basketball/nba/salaries/default.aspx>  
(NBA Salaries)
12. [http://www.forbes.com/lists/2006/53/Compen\\_Salary.html](http://www.forbes.com/lists/2006/53/Compen_Salary.html)  
(Entertainer Salaries)

## Scientific Notation Project Rubric

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Student has 5 facts with numbers of 1,000 or greater.  
(5 points each = 25 points)

Points Earned: \_\_\_\_\_

2. Student has converted 5 facts from standard form into scientific notation correctly. (10 points each = 50 points)

Points Earned: \_\_\_\_\_

3. Student has included clip art for 5 facts.  
(5 points each = 25 points)

Points Earned: \_\_\_\_\_

YOUR GRADE: \_\_\_\_\_

Comments: