

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 6.588×10^{24} tons.
 - b. More than 1.5×10^{10} prizes have been given away in Cracker Jack's boxes.
 - c. In 1993 there were approximately 6.4×10^7 cats in America.
 - d. The human body contains 7.0×10^4 miles of blood vessels.
 - e. 2.56×10^8 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 6.588×10^{24} tons.



Fact 2: More than 15,000,000,000 prizes have been given away in Cracker Jack's boxes. More than 1.5×10^{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 6.4×10^7 cats in America



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



Fact 5: 256,000,000 is the preliminary estimate of turkeys raised in the United States in 2005. 2.56×10^8 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
(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 (Richest People – 2008)
7. 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
(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: