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| Approximately 4.7 x 10⁷ disposable diapers are thrown away each day in the United States. How many are thrown away each year? Show all your work and write your answer in scientific notation.  20 points | 20 points: Go to the website below. Print out the cards. Cut the cards out. You will notice that the standard and scientific notation are given. Sort the cards into two piles – Correct and Incorrect. Glue down the two piles onto a sheet of paper with two columns labeled Correct and Incorrect.  <https://docs.google.com/file/d/0B7xtyzC7J_mFSk10QWtadzNvQnM/edit> | 20 points: An apartment complex has 3  buildings. Each building has 3  apartments. There are 3 people living in each apartment, and each person pays 3 dollars per month for pool maintenance. How much does the apartment complex collect total for pool maintenance each month? Draw a picture to help you answer and show all your work. |
| 30 points  a) d)  b) e)  c)  SIMPLIFY. SHOW ALL WORK. | Create a game where students have to match a number in scientific notation to a number in standard form. You must create at least 12 questions for this game. Be creative. Include an answer key.  30 points | Create a graphic organizer that tells how you would solve scientific notation problems. Include how to write a number in scientific notation, how to write a number in standard form, how to add and subtract scientific notation, and how to multiply and divide scientific notation. Try to make it as user friendly as possible.  30 points |
| Go to the website below. Print out the two worksheets. Do only the evens. Show all your work. Turn in the worksheets.  <http://calbomath.weebly.com/uploads/3/7/2/4/37248227/scientific_notation_worksheet.pdf>  50 points | Create a comic strip to outline the rules of exponents. Include what to do when you are multiplying, dividing, and power to power. Also, include what do to when you have an exponent of zero.  The comic strip must contain:   * a minimum of 8 panels or boxes * clearly drawn characters * element(s) of humor, irony, drama, …   50 points | Google the distance from each planet to the Sun. Write the standard and scientific form for each planet. Create a poster to display your findings. Make it colorful and easy to understand.  50 points |