Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_

**Homework, Tuesday April 2nd**

**Order the numbers from least to greatest and complete the 5 word problems.**

**\*On front and back\***

|  |  |  |  |
| --- | --- | --- | --- |
| 1) 5.2 X 106 5.6 X 106 1.2 X 107 8.2 X 105In order:  | 2) 47 X 107 4.6 X 108 4.9 X 106 4 X 107In order:  | 3) 3.5 X 102 7.3 X 101 8.1 X 108 6.2 X 105In order:  | 4) 73 X 104 81 X 105 6.1 X 105 5.8 X 108In order:  |
| 5) 3.9 X 103 2.8 X 103 4.3 X 103 1.8 X 103In order:  | 6) 5.3 X 108 6.9 X 107 7.5 X 105 8 X 106In order:  | 7) 9.0 X 1010 8.0 X 1011 8.8 X 1011 9.2 X 1010In order:  | 8) 6.2 X 102 8.7 X 105 3.5 X 108 7.9 X 105In order:  |
| 9) 5.8 X 10-4 5.8 X 10-5 4.8 X 10-4 3.9 X 10-3In order:  | 10) 6.4 X 10-1 9.1 X 100 2.8 X 10-2 3.5 X 10-1In order:  | 11) 7.6 X 10-8 4.5 X 10-7 8.2 X 10-8 6.9 X 10-7 In order:  | 12) 9.3 X 10-4 1.2 X 104 6.6 X 10-3 8.1 X 102In order:  |
| 13) 1.3 X 10-9 5.5 X 10-8 4.3 X 10-7 2.9 X 10-8In order : | 14) 7.5 X 10-9 8.1 X 10-10 7.7 X 10-8 8.4 X 10-9In order:  | 15) 3.6 X 10-3 37 X 10-5 3.1 X 10-4 3.5 X 10-3In order: | 16) 9.3 X 10-5 9.5 X 10-8 98 X 10-7 93 X 10-6In order:  |
| 1) Approximately 1.9 X 107 auto theft crimes are reported to police every year. How many of this type of crime are reported every day?  |
| 2) How many times bigger is the sun at 7.8 X 109 feet long to a giant squid that is 3.1 X 101 feet long?  |
| 3) If the average person eats 2.3 X 100 slices of pizza per week, If there are 8.3 X 101 kids in the eighth grade, how many slices of pizza does the 8th grade consume in total in one week? |
| 4) The human eye blinks about 6.25 x 106 times each year. About how many times has the eye of a 14 year old blinked? |
| 5) The national debt of the United states in 1980 was 9.7 X 1011 billion dollars. The 1980 census showed 2.3 X 108 people. About how many dollars per person was the national debt? |