Name_____

Homework NS-5: Comparing Scientific Notation Worksheet Homeroom

1. Place the following numbers in order from least to greatest:

   7.8×10^6, 5.1×10^4, 1.25×10^5, 4.09×10^6

   _____ _____ _____ _____

2. Which of the following numbers is the least

a. 7.21×10^9 b. 7.1×10^9 c. 7.11×10^9 d. 7.2×10^8

3. Which number is the greatest?

a. 5.25×10^5 b. 5.55×10^5 c. 2.55×10^5 d. 5×10^5

4. The diameter of the planet Mercury is 4.87×10^3 kilometers.

   The diameter of the planet Venus is 1.21×10^4 kilometers.

   The diameter of Earth is 1.28×10^4 kilometers.

   The diameter of Mars is 6.79×10^3 kilometers.

   Which planet has the smallest diameter? _____

   Which planet has the largest diameter _____

5. Place the following numbers in order from least to greatest:

   7.8×10^{-6}, 5.1×10^{-4}, 1.25×10^{-5}, 4.09×10^{-6}

   _____ _____ _____ _____

6. Order the following from greatest to least:

   5×10^3, 3.2×10^8, 1.2×10^8, 7×10^5

   _____ _____ _____ _____

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7. Which of these numbers is the least?

a. 3.5×10^7 b. 3×10^7 c. 5×10^7 d. 5.5×10^7

_____ _____ _____ _____

8. Which of these numbers is the greatest?

a. 9×10^{-9} b. 9×10^{-8} c. 8×10^{-9} d. 8×10^{-8}

9. Order the following from least to greatest:

6.8×10^{-6}, 6×10^{-6}, 6.6×10^{-6}, 6.1×10^{-6}

_____ _____ _____ _____

10. Which of these numbers is the greatest?

a. 5.406×10^8 b. 5.604×10^9 c. 5.504×10^7 d. 6.504×10^8

_____ _____ _____ _____

11. Which of these numbers is the least?

a. 9 x 104 b. 1.2 x 105 c. 3.01 x 109 d. 1.901 x 10

12. Place the following numbers in order from least to greatest:

3.4×10^{-3}, 5.1×10^{-2}, 5.25×10^{-2}, 8.09×10^{-3}

_____ _____ _____ _____

13. Place the following numbers in order from least to greatest:

4×10^6, 3.1×10^4, 4.5×10^5, 7.2×10^6

_____ _____ _____ _____

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