

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

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. 9×10^4 b. 1.2×10^5 c. 3.01×10^9 d. 1.901×10

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
