Name Key Date

10.6 Practice

For use after Lesson 10.6

Write the number in scientific notation.

1. 4,200,000

4.2×10^{6}

2. 0.038

3.8×10^{-2}

3. 600,000

6×10^{5}

4. 0.0000808

8.08×10^{-5}

5. 0.0007

7×10^{-4}

6. 29,010,000,000

2.9×10^{10}

Order the numbers from least to greatest.

7. $6.4 \times 10^{8}, 5.3 \times 10^{9}, 2.3 \times 10^{8}$

2.3×10^{8}, 6.4×10^{8}, 5.3×10^{9}

Least → greatest

8. $9.1 \times 10^{-3}, 9.6 \times 10^{-3}, 9.02 \times 10^{-3}$

9.02×10^{-3}
9.1×10^{-3}
9.6×10^{-3}

least ↓ Greatest

9. $7.3 \times 10^{7}, 5.6 \times 10^{10}, 3.7 \times 10^{9}$

least ↓ Greatest

7.3×10^{7}
3.7×10^{9}
5.6×10^{10}

10. $1.4 \times 10^{-5}, 2.01 \times 10^{-15}, 6.3 \times 10^{-2}$

2.01×10^{-15}
1.4×10^{-5}
6.3×10^{-2}

least ↓ Greatest

11. A patient has 0.0000075 gram of iron in 1 liter of blood. The normal level is between 6×10^{-7} gram and 1.6×10^{-5} gram. Is the patient's iron level normal? Write the patient's amount of iron in scientific notation.

0.0000075
7.5×10^{-6}
yes, this is a normal iron level