

Unit Conversion and Scientific Notation Worksheet - Answers

A.

- | | |
|-------------------|-----------------------|
| 1. 10.9 cm | 9. 0.743 L |
| 2. 0.058 kg | 10. 0.110 mg |
| 3. 813,000 mg | 11. 0.004279 mg |
| 4. 0.047 m | 12. 5,100 mL |
| 5. 0.000000220 kg | 13. 1.0 cm |
| 6. 571 mL | 14. 3.00 dL |
| 7. 0.00586 mL | 15. 0.001005 L |
| 8. 49,800 mg | 16. 16,000,000,000 pm |

B.

- | | |
|------|------|
| 1. < | 5. = |
| 2. > | 6. > |
| 3. = | 7. < |
| 4. > | 8. = |

C.

- | | | |
|-----------------------------|--------------------------------|------------------------------|
| 1. 3×10^3 kg | 5. 7.008×10^6 μ L | 9. 2×10^2 L |
| 2. 3.75×10^{-3} cm | 6. 8.90×10^2 g | 10. 9.87×10^{-1} mm |
| 3. 4.21×10^{-1} m | 7. 4.039×10^{-1} L | 11. 1.28×10^1 kg |
| 4. 5.005×10^3 mL | 8. 1.007×10^{-1} pm | 12. 1.20×10^2 m |

D.

- | | |
|--------------|---------------|
| 1. 0.0139 | 5. 19,700 |
| 2. 4,980 | 6. 261 |
| 3. 0.000705 | 7. 0.00003009 |
| 4. 0.0000092 | 8. 60,200,000 |

E.

1. 1.15×10^6
2. 2.08×10^2
3. 4×10^{-2}
4. 2.5×10^5
5. 1.26×10^{-14}