

Scientific Notation and Metric Conversions

(Do NOT write on this paper)

I. Write the following numbers in scientific notation.

1. 6820

2. .00894

3. 960,632

4. 0.156

5. .0000609

6. 3,465,000

7. 7,680,900

8. .0000051

9. 206,871

10. .000000002532

II. Rewrite the following numbers taking them out of scientific notation.

11. 6.256×10^5

12. 2.83×10^9

13. 4.612×10^{-3}

14. 3.406×10^6

15. 8.024×10^{-4}

16. 7.3281×10^{-2}

17. 2.0×10^{-8}

18. 9.993×10^4

19. 2.6354×10^8

20. 5.7024×10^{-5}

III. Use the FACTOR LABEL METHOD to convert the following:

21. 83.65 L = _____ mL

22. 1600 m = _____ km

23. .094 dkg = _____ g

24. 1564.8 cg = _____ g

25. 800 dm = _____ mm

26. 236.7 hm = _____ km

27. 14 g = _____ mg

28. 359 kL = _____ L

29. 32 mm = _____ dkm

30. 4376 cm = _____ km