METRICS AND MEASUREMENT TEST REVIEW

Indicate how many significant figures there are in each of the following measured values then put in scientific notation.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. 246.32
2. 107.854
3. 100.3
4. 0.678
5. 1.008
6. 0.00340
 |  | 1. 0.0001
2. 700000
3. 350.670
4. 1.0000
5. 32000
6. 14.600
 |  |

13) 3 x 102 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 14) 6 x 10-3 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 15) 7 x 104 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 16) 900 x 10-2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 17) 2.4 x 103 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 18) 4 x 10-6 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19.) Describe each target using the words accurate **and** precision in each statement.



Convert the following measurements:

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| 20.) 2000 mg = \_\_\_\_\_\_\_ g 23) 104 km = \_\_\_\_\_\_\_ m  | 21) 2500 m = \_\_\_\_\_\_\_ km24) 480 cm = \_\_\_\_\_ m  | 22) 50 cm = \_\_\_\_\_ m 25) 6.3 cm = \_\_\_\_\_ mm  |

Compare using <,> or =.

|  |  |
| --- | --- |
| 26) 63 cm\_\_\_ 6 m 27) 5 g \_\_\_\_508 mg 28) 1,500\_\_\_\_ mL 1.5 L  | 29) 536 cm \_\_\_\_53.6 hm 30) 43 mg\_\_\_\_ 5 g31) 3.6 m\_\_\_\_\_ 36 cm  |

32. Write down 3 of the most important lab safety rules to follow in the lab.

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