METRICS AND MEASUREMENT TEST REVIEW

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

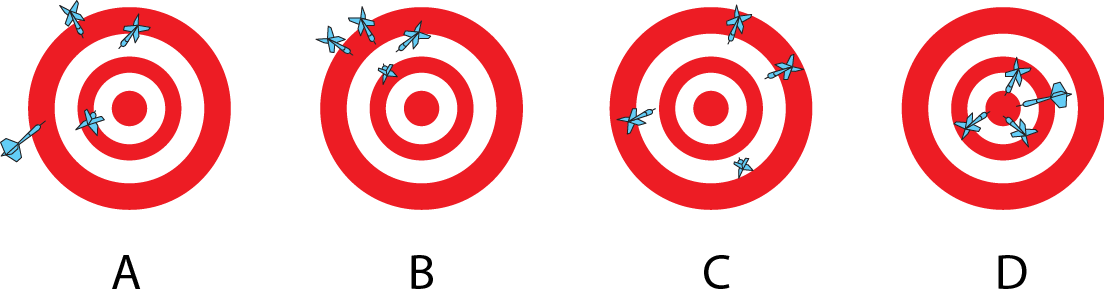
|  |  |  |  |
| --- | --- | --- | --- |
| 1. 246.32 2. 107.854 3. 100.3 4. 0.678 5. 1.008 6. 0.00340 |  | 1. 0.0001 2. 700000 3. 350.670 4. 1.0000 5. 32000 6. 14.600 |  |

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:

|  |  |  |
| --- | --- | --- |
| 20.) 2000 mg = \_\_\_\_\_\_\_ g  23) 104 km = \_\_\_\_\_\_\_ m | 21) 2500 m = \_\_\_\_\_\_\_ km  24) 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 g  31) 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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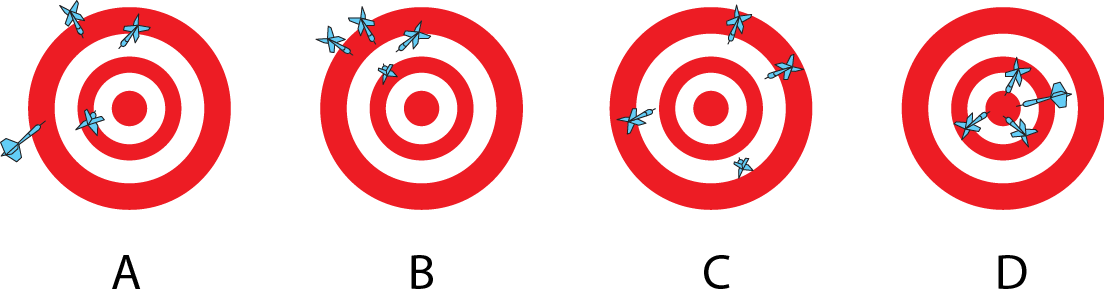
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