**Scientific Notation Practice Problems**

 **# Significant Figures Scientific Notation**

1. 230.005 m \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 109,000 kg \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 328.46 mm \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 0.00607 cm \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_
5. 5.017 L \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. 8000 km \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 0.057 g \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 610.0 kPa \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **# Significant Figures Non-Scientific Notation**

1. 6.54 x 10-5 m \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 3.22 x 104 g \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 8.9256 x 106 s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 2.11 x 10-2 g \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. 9.52 x 10-9 m \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Directions:** For #14-#16, use the ruler below to obtain your answer.

1. This ruler measures to the nearest \_\_\_\_\_\_\_\_\_\_\_ place.
2. This means that we can estimate to the \_\_\_\_\_\_\_\_\_\_ place.
3. The triangle above is pointing to a measurement of \_\_\_\_\_\_\_\_\_\_ (assume cm).

1. 6.44 cm + 9.9009 cm 18. 4.44 m x 9.1 m

19. 55.43 g - 0.5 g 20. 67.8 L ÷ 103.7 L