

Concept Review

Section: Organizing Data

1. **Convert** the following measurements from scientific notation to long form:

_____ a. 2.54×10^{-3} cm

_____ b. 9.5×10^4 km

_____ c. 3.3×10^{-1} L

_____ d. 7.445×10^2 g

2. **Convert** the following measurements to scientific notation:

_____ a. 325 kg

_____ b. 0.00046 m

_____ c. 7,104 km

_____ d. 0.0028 L

3. **Find** the number of significant digits in each of the following:

_____ a. 0.00326

_____ b. 39,010

_____ c. 77,900.1

_____ d. 1.5300

4. **Identify** the type of graph best suited to display the following:

a. the amount of iron ore in four different countries

_____ b. the major gases found in Earth's atmosphere

_____ c. the price of crude oil since 1990

5. **Explain** how measurements can be precise but not accurate.

