

Chapter 1 Section 3 Guided Reading

1. Why should we convert units within the metric system?
2. The metric system is based on units of
 - a) twenty five
 - b) fives
 - c) sixteen
 - d) tens
3. Work the “SI Estimation Challenge” in the box on page 15.

4. Copy the “study skills” figure on page 16.

5. Convert 52,000 kilometers to centimeters. $52,000 \text{ km} = \underline{\hspace{2cm}}$ cm
6. Convert 25 millimeters meters. $25 \text{ mm} = \underline{\hspace{1cm}}$ m
7. A conversion factor is a ratio with a value of
 - a) one
 - b) two
 - c) five
 - d)ten
8. Copy the “study skills” figure on page 18.

9. What are significant digits?

10. Copy the “study skills” figure on page 20.