Chapter 9 Review Questions

Studying for a chapter examination is a personal process, one which nobody else can do for you. Simply take the time to review what you have done. Here are the new terms in Chapter 9.

Accuracy [9.1]
Acre [9.2]
Area [9.2]
Base [9.2]
Capacity [9.3]
Celsius [9.4]
Center of a circle [9.1]
Centi- [9.1]
Circle [9.1]
Circumference [9.1]
Cone [9.4]
Cube [9.3]
Cup [9.3]
Cubic unit [9.3]
Cylinder [9.4]
Decimal [9.4]
Deci- [9.1]
Deka- [9.1]
Diameter [9.1]
Equilateral triangle [9.1]
Fahrenheit [9.4]
Foot [9.1]
Gallon [9.3]
Gram [9.4]
Hecto- [9.1]
Inch [9.1]
Kilo- [9.1]
Length [9.1]
Liter [9.3]
Mass [9.4]
Measure [9.1]
Meter [9.1]
Metric System [9.1]
Mile [9.1]
Milli- [9.1]
Ounce [9.3, 9.4]
Parallelepiped [9.3]
Parallelogram [9.2]
Perimeter [9.1]
Pi (π) [9.1]
Pound [9.4]
Precision [9.1]
Prism [9.4]
Pyramid [9.4]
Quart [9.3]
Radius [9.1]
Rectangle [9.1]
Rectangular parallelepiped [9.3]
Semicircle [9.1]
SI system [9.1]
Sphere [9.4]
Square [9.1]
Square unit [9.2]
Surface area [9.3]
Temperature [9.4]
Ton [9.4]
Trapezoid [9.2]
United States system [9.1]
Volume [9.3]
Weight [9.4]
Yard [9.1]

If you can describe the term, read on to the next one; if you cannot, then look it up in the text (the section number is shown in brackets). Next, study the types of problems listed at the end of Chapter 9.

TYPES OF PROBLEMS

Distinguish between the concepts of precision and accuracy. [9.1]
Be able to measure length in both the United States and metric measurement systems. [9.1]
Estimate lengths; choose an appropriate unit for measuring a given length. [9.1]
Find the perimeter, circumference, or distance around a given figure. [9.1]
Solve applied problems involving length. [9.1]
Be able to measure area in both the United States and metric measurement systems. [9.2]
Estimate areas; choose an appropriate unit for measuring a given area. [9.2]
Find the area of a given figure. [9.2]
Solve applied problems involving area. [9.2]
Find the surface area of an object. [9.3]
Estimate volumes; choose an appropriate unit for measuring a given volume. [9.3, 9.4]
Find the volume of a given solid.[9.3, 9.4]

Solve applied problems involving volume. [9.3, 9.4]
Estimate capacities. [9.3]
Find the capacity of a given container. [9.3]
Solve applied problems involving capacity. [9.3]
Measure the amount of a liquid. [9.3]
Be able to measure mass (weight) in both the United States and metric measurement systems. [9.4]
Estimate weights; choose an appropriate unit for measuring a given mass. [9.4]
Be able to measure temperature in both the United States and metric measurement systems. [9.4]
Be able to measure volume in both the United States and metric measurement systems. [9.3, 9.4]
Estimate temperatures. [9.4]
Change units within the metric system. [9.4]
Change units within the United States system.[9.4]
Change units between the metric and United States systems. [9.5]

Once again, see if you can verbalize (to yourself) how to do each of the listed types of problems.

Work all of Chapter 9 Review Questions (whether they are assigned or not). Work through all of the problems before looking at the answers, and *then* correct each of the problems. The entire solution is shown in the answer section at the back of the text. If you worked the problem correctly, move on to the next problem, but if you did not work it correctly (or you did not know what to do), look back in the chapter to study the procedure, or ask your instructor.

Finally, go back over the homework problems you have been assigned. If you worked a problem correctly, move on to the next problem, but if you missed it on your homework, then you should look back in the book or talk to your instructor about how to work the problem.

If you follow these steps, you should be successful with your review of this chapter.