Prealgebra ~ Lesson 40
Work the following examples as you listen to the recorded lecture.

Perimeter

Perimeter is the outside measurement of an object. Refer to Lesson 2.
1. For most objects you can add the sides.
2. For circles, the formula is $Perimeter = \pi \cdot d$.
3. Perimeter is stated as plain units

Area

Area is the inside measurement of an object. Refer to Lesson 5.
1. For rectangles, the formula is $Area = l \cdot w$.
2. For circles, the formula is $Area = \pi \cdot r^2$.
3. Area is stated as square units.

Example 1: Find the area of a circle with a radius of 2 inches.

Example 2: Find the area of a circle with a diameter of 2 inches.

Volume

Volume is the inside measurement of an 3 dimensional object, such as a box.
1. For rectangles, the formula is $Volume = l \cdot w \cdot h$.
2. Volume is stated as cubic units.

Example 3: Find the volume of a box with measuring 4 x 5 x 3 inches.