Contemporary Math – Real World Applications

Name: _____     Date: _____

1.  Sarah, the technician estimates there are 9800 bacteria in the cubic centimeter of blood sample. The dog has 7 pints of blood. One pint equals 473.9 cubic centimeters. What is the estimated number of bacteria in the dog?

2.  Thomas, the technician measures four sides of the perimeter of the uneven cage. They measure 15 ¼ inches, 12 ½ inches, 14 ¾ inches and 11 ¾ inches. The company that made the cage in Mexico wants the sizes reported in centimeter. What are each of the sides and the perimeter in centimeters?

3.  Dr. Beal decides to test the sample at 40°C. She wants to submit the calculation to convert to Fahrenheit in the article she is writing for Doc Vet magazine. Convert the temperature to Fahrenheit and show each step.