1. How many 1 cubic centimeter cubes would fit into a cube that has a base of 130 square centimeters and height of 6 centimeters?
2. Order the following 6 numbers in order from least to greatest.

1,003.045 1,002.9 1,003.0504 1,003.8 1,003.045 1,003.0405

1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 5\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 6\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) Write a number in which a 4 is 1/100 another 4 in the number.

4) In the following number….. 6,789.45

The place value of the 4 is 1/10 the place value of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

the place value of the 4 is 1/100 the place value of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

the place value of the 4 is 1/1,000 the place value of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

the place value of the 4 is 1/10,000 the place value of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

the place value of the 6 is 10 times greater than the place value of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

the place value of the 6 is 100 times greater than the place value of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

the place value of the 6 is 1,000 times greater than the place value of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

the place value of the 6 is 10,0000 times greater than place value of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) Write the following expanded form numbers in standard form:

(9 x 10) + (6 x 1/10) + (4 x 1/100) + (5 x 1/1,000) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(4 x 1,000) + (3 x 10) + (6 x 1/100) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(2 x 100) + (3 x 10) + (4 x 1/10) + (6 x 1/1,000) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Calculate the following quotients/products:

6) 27.4 x 3.11

7) 4.99 x 5.01

8) 2.3 x 1.45

9) 1,200.75 divided by .25

10) 3.040 divided by .8

11) Fill in the blank to make the inequality true.

a. 75.8 x \_\_\_\_ > 75.8 b. 807.4 **÷**  \_\_\_\_\_ < 807.4 c. 75.8 x \_\_\_\_\_ < 75.8 d. 807.4 **÷** \_\_\_ > 807.4