**Unit 3 Practice Test: DECIMALS** **NAME\_\_Answer Key\_\_**

**1.** Write each number in standard form. (Use a place value chart if it helps)

a) 4 and 3 thousandths 4.003

b) 236 millionths 0.000 236

c) 6 and 12 ten thousandths 6.0012

2. a) Estimate using **Front End** estimation. Tell if the estimate is an overestimate or underestimate.

4.83 x 5 4x5=20. Underestimate (because we rounded down first number)

b) Estimate using **Front End** estimation. Tell if the estimate is an overestimate or underestimate.

 685.4 ÷ 2 600 ÷ 2 = 300 Underestimate

 c) Estimate using decimal benchmarks: Tell if the estimate is an overestimate or underestimate.

4.83 x 5 5x5=25. Overestimate

d) Estimate using compatible numbers: Tell if the estimate is an overestimate or underestimate.

685.4 ÷2 many possible estimates 680÷2=340 (Under), 700÷2=350 (over)

3. Estimate to replace each \_\_\_\_ with < or > to make the statement true.

a) 3 x 2.16 \_\_<\_\_ 8 estimate 3x2=6

b) 4 x 0.95 \_<\_\_ 38.5 estimate 4x1=4

4. Estimate to place the decimal place in each product

a) 2.4 x 6 = 144 14.4. estimate 2x6=12

b) 3.123 x 5 = 15615 15.165 estimate 3x5=15

5. Multiply to find exact answer. SHOW WORK

a) 0.45 x 6 b) 2.14L x 5

2.7 10.7L

6. Divide to find exact answer. SHOW WORK

a) 26.2 ÷ 4 b) $3.67 ÷ 5

6.55 $0.734 rounded to $0.73

c). 0.26 ÷ 2 d) 0.042 ÷ 7

0.13 0.006

7. Draw a square with a perimeter of 10.4 cm. Label the side length.

 10.4 ÷ 4 = 2.6 cm. Side length = 2.6cm (measurement of square doesn’t need to be exact but needs to be labelled)