Name_____

# Practice Sheet for End of Module Test – Module 1

1) **The following two equations involve different quantities and use different operations yet produce the same result. Use your place value mat and words to explain why this is true.**

**2.74 x $10^3$ = 2,740**                    **274,000 ÷ $10^2$ = 2,740**

Use >, <, or = to compare the following.  Use a place value chart to help, if necessary.

| | | |
|---|---|---|
| a. 16.3 | ◯ | 16.4 |
| b. 0.83 | ◯ | $\frac{83}{100}$ |
| c. $\frac{205}{1000}$ | ◯ | 0.205 |
| d. 95.580 | ◯ | 95.58 |
| e. 9.1 | ◯ | 9.099 |
| f. 8.3 | ◯ | 83 tenths |
| g. 5.8 | ◯ | Fifty-eight hundredths |

**2) A) Use an area model to explain the product of 5.4 and 3.**

**B) Write the product from Part A in standard form, word form, and expanded form.**

**Standard:**

**Word form:**

**Expanded form:**

Arrange the numbers in increasing order.

a. 3.049   3.059   3.05   3.04

_____

b. 182.205   182.05   182.105   182.025

_____

Arrange the numbers in decreasing order.

a. 7.608   7.68   7.6   7.068

_____

Compare using >, <, or =.

a.  0.4  ◯  0.127

b.  2 thousandths + 4 hundredths  ◯  0.036

c.  2 tens 3 tenths 1 thousandth  ◯  20.31

d.  24 tenths  ◯  2.5

e.  $4 \times 10^3 + 2 \times 100 + 3 \times \frac{1}{10}$  ◯  $4 \times 1000 + 2 \times 10^2 + 3 \times \frac{1}{10}$

f.  $3 \times \frac{1}{10} + 4 \times \frac{1}{1000}$  ◯  0.340

Draw a model similar to the one pictured below for Parts (b), (c), and (d).  Find the sum of the partial products to evaluate each expression.

a.  7 × 3.12

| | 3 ones | + | 1 tenth | + | 2 hundredths |
|---|---|---|---|---|---|
| 7 | 7 × 3 ones | | 7 × 1 tenth | | 7 × 2 hundredths |

_____  +  _____  +  0.14  =  _____

b.  6 × 4.25

3) For Mr. Provost's secret candy recipe, she mixed 11.047 grams of white sugar, 22.887 grams of flour, and 6.89 grams of brown sugar. This made 6 pieces of candy.

    A. About how many grams of ingredients were used in all?

    B. Estimate the amount of each ingredient by rounding them to the nearest tenth of a gram. Show all of your thinking.

    C. Now total the exact number of grams of ingredients used by Mr. Provost.

**D. What is the difference between your estimate and the exact amount?**

**E. How many grams of ingredients are used for one piece of candy?**

**F. Take the above weight of one piece of candy and round it to the nearest gram. Then, show how to convert that to kilograms. Show your work!**