Week 5 Module 1 Assessment

Name _____ Score___/20

1. The following equations involve different quantities and use different operations, yet produce the same result. Explain why this is true. *(2 points)*

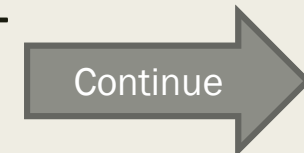$$.523 \times 10^3 = 523 \qquad 5{,}230 \div 10 = 523$$

Explain:_____

_____

2. Write the following number in word form and expanded decimal form. *(4 points)*

$$5.23$$

Word Form: _____

Expanded Decimal Form:_____

Continue

3. Use an area model to explain the product of 5.3 and 2. *(3 points: 1 for the answer and 2 to show how you answered it)*

Answer: _____

4. Dr. Mann mixed 12.35 g of chemical A, 8.12 g of chemical B, and 6.85 g of chemical C to make medicine. About how much medicine did he make in grams? Estimate the amount of each chemical by <u>rounding to the nearest tenth</u> of a gram before <u>finding the sum</u>. Show all your thinking. *(3 points)*

Estimate: _____   Actual: _____

Continue

Show your work here!

5. Compare using >, <, or =. (2 points)

2 tenths + 3 hundredths $\bigcirc$ .203

_____

6. Compare using >, <, or =. (2 points)

6 tenths + 12 hundredth + 18 thousandths $\bigcirc$ .748

_____

7. Compare using >, <, or =. (2 points)

3 hundredths + 348 thousandths $\bigcirc$ 34 hundredths

_____   _____

8. Compare using >, <, or =. (2 points)

8 ones 9 tenths 7 hundredths $\bigcirc$ $8 \times 1 + 9 \times \frac{1}{10} + 7 \times \frac{1}{100}$

_____   _____