

Activity Set 6.2 Exercises and Activities: # 4, 5, 6 solutions (34/34).

Directions: Write your answers in complete sentences, using proper grammar, spelling, and punctuation.

| Understanding | Accuracy        | Communication | Presentation | Total |
|---------------|-----------------|---------------|--------------|-------|
| 2             | a)2 b)2 c)2 d)2 | 2             | 2            | 14    |

4. For each of the following, draw a sketch to show how a Decimal Squares model is used to compute the sum or difference and explain how the model matches the placement of decimal points in the standard paper-and-pencil algorithm.

- a.  $.3 + .5$       b.  $.4 + .65$       c.  $.85 - .2$       d.  $.7 - .15$

| Understanding | Accuracy | Communication | Presentation | Total |
|---------------|----------|---------------|--------------|-------|
| 2             | a)2 b)2  | 2             | 2            | 10    |

5. For each of the following, draw a sketch to show how a Decimal Squares model is used to compute the product and explain how the model matches the standard paper-and-pencil algorithm.

- a.  $.2 \times .5$                       b.  $1.2 \times 1.5$

| Understanding | Accuracy | Communication | Presentation | Total |
|---------------|----------|---------------|--------------|-------|
| 2             | a)2 b)2  | 2             | 2            | 10    |

6. For each of the following, draw a sketch to show how a Decimal Squares Model is used to compute the quotient. Which division concept are you using? Explain.

- a.  $.75 \div .15 = 5$   
 b.  $.750 \div 3 = .250$