**BLM 7.N.2.10: Decimal Problems**

1. Use estimation strategies to place a decimal point in the correct position for each of the following problems.

a) 3.5 0.8 4375

b) 3095238 65 2.1

c) 265 0.8 33125

d) 215 0.86 0.4

e) 6125 4.9 0.8

f) 0.216 0.5 432

2. Estimate, and then calculate, solutions to the following number expressions.

|  |  |  |  |
| --- | --- | --- | --- |
| **Expression** | **Estimation** | **Calculation** | **Strategy** |
| 2.97 0 .9 = |  |  |  |
| 1.50 0.1 = |  |  |  |
| 56.4 0.6 = |  |  |  |

3. Write an equation to represent the following scenario. Solve the problem using the order of operations. List the operations as they appear in this scenario, and use the order of operations to find the change Ravi received.

*Scenario:*

Ravi was going to the hospital to visit his younger brother. On the way, he stopped to purchase a get-well gift to help entertain his brother during his hospital stay. He used a twenty-dollar bill and a ten-dollar bill to pay for the following items: one sketchpad for $8.95, three graphite drawing pencils for $1.75 each, one art eraser for $1.65, 10 coloured pencils for 65¢ each, and a pencil sharpener for $2.25. The taxes were $2.95.