**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_**

**BOX QUIZ 11**

**Answer the following questions and show all work.**

|  |  |
| --- | --- |
| **Multiply 345 x 82 using Partial Products (Box Method).** | **Subtract 431 - 79 using Partial Differences.** |
| **Given the integers 84 and 90:**  (a) Write the prime factorization  of 84.  (b) Write the prime factorization  of 90.  (c) Find GCF(84,90).    (d) Find LCM(84,90).  . | ***Venn Diagram:*** Out of thirty-eight students surveyed at SGSC, 14 are taking Math,19 are taking English, and 5 students are in both Math and English.  (a) Draw a Venn Diagram to represent this example.  (b) How many students are taking only Math class?  (c) How many students are taking only English class?  (d) How many students are in neither class? |