**Math 7**

**Spring Student**

**Enrichment Packet**



***ANSWER KEY***

PRINCE GEORGE’S COUNTY PUBLIC SCHOOLS

Office of Academic Programs

Department of Curriculum and Instruction

**™**

**Math 7 Spring Enrichment Packet**

**Answer Key**

|  |  |
| --- | --- |
| **Problem** | **Answer** |
| 1 | A, B, D |
| 2 | 82 |
| 3 | Rectangular has the greater area by 1.8 square feet |
| 4 | 20 |
| 5 | A |
| 6 | If she earns $450 for 40 hours of work, then Brenda earns $11.25 per hour.  If she works 55 hours, she will still earn $450 for the first 40 hours. Then she will earn $11.25 x 1.5 = $16.88 for the next 15 hours of work. So 15 x $16.88 = $253.20, and $253.20 + $450 = $703.20. |
| 7 | 9 |
| 8 | 61.5 |
| 9 | B, E |
| 10 | C |
| 11 | To get 75 seeds:   * At Go-Green: To buy at least 75 seeds, you need to buy 7 packets. 7 x 12 = 84, so there will be 9 seeds left over after spending $3.80 x 7 = $26.60. * At Giant Seeds: To buy at least 75 seeds, you need to buy 5 packets. 5 x 18 = 90, so there will be 15 seeds left over after spending $4.40 x 5 = $22.00. * At Seeds-R-Us: To buy at least 75 seeds, you need to buy 8 packets. 8 x 10 = 80, so there will be 5 seeds left over after spending $2.50 x 8 = $20.00.   So, the students should buy their seeds at Seeds-R-Us because they will spend the least and have the fewest seeds left over. |
| 12. Part A | 34.2 miles |
| Part B | 8.27 miles per hour |
| 13. | 5.8 megabytes |
| 14. | D, E |
| 15. Part A | *C* = 3.5*v* |
| Part B | 3.5 |