***Study Guide***

***Module 3***

Name Date

1. Aunt Linda and her 2 friends decide to share a cab to go to the mall. If they each spent $6, how much did the cab ride cost altogether? Write an equation using a letter to represent the unknown. Solve.
2. Aunt Linda’s 2 friends each order pasta and a lemonade for lunch.
Aunt Linda orders only chicken salad.

**Lunch Menu**

Pasta $7

Chicken Salad $9

Lemonade $2

1. Use the menu to find how much they spend altogether.
Write equations using letters to represent the unknown. Solve.
2. Aunt Linda mentally checks the total using 4 × $9. Explain her strategy.
3. After lunch, the friends notice a sale. Compare the crossed out prices to the new sale prices. If all sale prices are calculated in the same way, what would the sale price be on an item that originally cost $24? Use words and equations to explain how you know.

~~$12~~

$4

~~$21~~

$7

~~$27~~

$9

~~$3~~

$1

~~$24~~

$?

1. a. A shopkeeper in the bookstore arranges the boxed sets of books as

shown to the right.

If each box contains 9 books, how many books are there?

* Write an equation using a letter to represent the unknown, and then solve.
* Explain how you know your answer is reasonable.
1. Aunt Linda figures out how many books are in the arrangement. Her work is shown below.
Explain Aunt Linda’s strategy.

10 × 10 – 10 = 90

1. In the book store, Aunt Linda 4 buys boxes of pens. Each box contains 2 bundles of 10 gray pens. Her friend buys 5 packs of pens. Each pack contains 10 black pens. Explain how the equation below shows how Aunt Linda and her friend buy the same number of pens.

8 × 10 = 2 × 4 × 10

Box of Gray Pens

Pack of Black Pens

1. Complete as many problems as you can. Please do your best!