

Homework Assignment 5D1

(To be used following Lesson 18)

Name: _____ Date: _____

1. Enter the data from the story into the table.

Samuel decided to start a lemonade stand business on the weekends. As part of his business, he would sell cups of lemonade, gallons of lemonade, and cookies.

During the first weekend, Samuel had to buy one can of lemonade mix for \$3.00, cookies for \$2.00 and bags for grouping the cookies for \$1.50. He sold 20 cups of lemonade for \$0.25 each and 1 bag of 5 cookies for \$1.00.

During the second weekend, he sold 1 gallon of lemonade for \$2.00, 10 cups of lemonade for \$0.25 each, and 3 bags of cookies for \$1.00 each.

Samuel had to buy more lemonade mix on the third weekend. He bought 2 can of mix for \$3.00 each. This weekend he sold 3 gallons of lemonade for \$2.00 each, 12 cups of lemonade for \$0.25 each and 7 bags of cookies for \$1.00 each.

On the fourth weekend, he spent \$10.00 to have five signs made to hang up around the neighborhood. He also spend \$3.00 on another can of lemonade mix and

Lessons 17-19 Subconcept: Attributes of negative numbers can be analyzed, described, and modeled.

Developing Number Concepts: Values and Variables, Module B

Math Out of the Box™ Clemson University

\$2.00 on cookies. Samuel sold 32 cups of lemonade for \$0.25 each and 4 bags of cookies for \$1.00 each.

2. Answer the questions about the data.

How much money did Samuel spend all together on his business?

What is the mean of Samuel's earnings over the four weekends?

If Samuel used his earnings to purchase a new table for his lemonade stand for \$45, how much money would he have left?

Lessons 17-19 Subconcept: Attributes of negative numbers can be analyzed, described, and modeled.

Developing Number Concepts: Values and Variables, Module B
Math Out of the Box™ Clemson University

