

Name: Shawna Portillo

Grade Level/Subject: First Grade

Topic: Explore Order Property; Identify Combinations for the sums of 7, 8, 9, and 10; horizontal and vertical addition; and develop skill and accuracy in using a graph to solve word problems

Objectives (P.A.S.S.): Standard 3.1, 3.2

Materials and Technology: dominoes, Warthog Colors book, counters with cups, unifix cubes, watercolors, graph club, Microsoft Word

Introduction: In this unit, we will learn lots of different ways to add. We will see different combinations for the same sum. We will learn how to add in a horizontal and vertical way. We will cover several graphs and be able to answer the questions about graphs.

Instructional process: Day 1: Make the first graph - Favorite Colors. The children will take the pretest and use the first graph on this test.

Day 2: We will read Warthog Colors book. Make a venn diagram using Microsoft Word. On the venn, we will add two colors together to make a third color. Example of this is: red + blue = purple. Then have children use watercolors to practice adding two colors to make a third color.

Day 3: We use unifix cubes to practice order property. Example:  $1(\text{red})+4(\text{blue})=5$ , turn it around. Do several of these problems and have the children write them in their notebooks. Talk about the first graph and answer questions about it.

Day 4: Model combinations for the sum of 7 on the board. Then have them use 7-two colored counters in a cup to do activity on page. Give them another counter to do the other side of the page - it has the sum of 8 on this side of the page. Did second graph - Our Favorite Season - answer questions about the graph together.

Day 5: Model combinations for 9 on board. Then have them use 9-two colored counters in a cup to do activity on page. On the back part of page need another counter to do the sum of 10. We did our next graph - Favorite Holidays and answered questions about it together.

Day 6: Use dominoes to practice vertical and horizontal problems. Had children write their addition sentences on small individual chalkboards. Made our fourth graph - Favorite Fruits.

Day 7: The children took their post test and answered questions about the fourth graph - Favorite Fruits.

Closure: The children played a one digit addition math game called Tic-Tac-Sum.

**Assessment:** A total of 10 students were tested. The change in test scores ranged from -9% to a 72% gain. We still need to practice these concepts some more - which we will throughout the year.

**Modifications/Accommodations:** We did a variety of activities throughout the seven days. So I felt like all students were able to learn and participate. I was able to give one on one attention to all children who needed it.

**Reflection:** This was a lot to cover in 7 days. I should have had the children study the graphing at another time. I made the pre and post test different - I should have used the same test. I just felt like they needed a challenge since they had learned so much. Another closure thing I would do next time is the web site that came with our math series. I have since gone into it and it would be a good follow-up for the math unit. The web site is [www.harcourtschool.com](http://www.harcourtschool.com).