Name _____ Date _____

Lesson #17 – Adding and Subtracting Decimals

You can use a vertical format to add or subtract decimals. Begin by lining up the decimal points. Then add or subtract as with whole numbers. Be sure to include the decimal point in your answer.

1) The table below shows the amounts of money (in billions of dollars) that people in the United States spent on dance studios, schools, and halls.

Money Spent on Dancing	
Year	Dollars (billions)
1994	0.906
1995	0.947
1996	1.046
1997	1.08
1998	1.138

a) How much was spent in 1995 and 1996?

b) How much more was spent in 1998 than in 1997?

We learned rules for adding and subtracting positive and negative integers. You can apply the same rules to adding and subtracting positive and negative decimals.

Find the sum or difference.

1. $-12.5 + (-4.55)$	2. $8.93 + 0.367$
3. $7.624 + (-0.05)$	4. $8.91 - 2.745$
5. $-5.3 - 11.49$	6. $5.376 - (-0.08)$
7. An item costs \$9.87 plus sales tax of \$0.49. What is the total cost of the item?	8. You run 400 meters in 58.01 seconds. What is the difference of your time and the school record of 55.49 seconds?

9) The temperature in Merrick was $-5.3°$ F on the morning of January 4th. The temperature then rose to 15.8° F by the afternoon. What was the overall increase or decrease in temperature?

10) One week, Gertrude wrote a check for $8.75, deposited $4.50, and wrote another check for $2.50. What was the change to Gertrude's bank account that week?

11) Your bank account shows $-30.65. You deposit $15.45. What is your new balance?

12) On October 6th, Apple's stock price was $113.70 per share. The table below shows the daily increase or decrease of the stock for the next 6 days.

Day	Stock Price
October 7th	+ $0.61
October 8th	+ $0.71
October 10th	+$0.71
October 11th	+$2.68
October 12th	- $0.35
October 13th	-$0.56

Part A) What is the **total** overall increase or decrease in Apple's stock over those 6 days?

Part B) What is the new price per share of Apple's stock after those 6 days?