Chapter 5

1. The Film Club raised \$90 with a bake sale. The members want to buy DVDs for their film library. Two members went online and found three stores that were having sales. They summarized the information in a table.

	Last Gasp	Greener Gadgets	Tech Things
1 DVD	\$12	\$8.95	\$7.95
3 DVDs	\$30	\$23.85	\$23.85
5 DVDs	\$40	\$34.75	\$39.75
10 DVDs	\$60	\$59.50	\$79.50
Shipping	\$1 per DVD	\$1.99 per DVD	Free
Handling	\$1 per DVD	\$0.99 per DVD	Free

a. Find the <u>unit rate</u> of cost per DVD for each offer at each store. Make a table to summarize your data. SHOW WORK ON BACK!

	Last Gasp	Greener Gadgets	Tech Things
1 DVD	\$12 /DVD	\$8.95/DVD	\$7.95/DVD
3 DVDs	\$10/DVD	\$7.95 /DVD	\$7.95/DVI
5 DVDs	\$8/DVD	\$6.95/DVD	\$7.95/DVD
10 DVDs	\$6/DVD	\$5.95 /WD	47.95/DM

b. The club decides to buy 9 DVDs. The unit price for 9 DVDs is the same as the unit price for 5 DVDs at all three stores. Find the price of 9 DVDs at each store. Which store offers the best buy?

c. Now calculate the total cost, including shipping and handling, for 9 DVDs at the three stores. Which store offers the lowest total cost?

LG: \$72+ \$1(9)+ \$1(9) = \$90

GG: \$62.55 + \$1.99 (9) + \$0.99 (9) = \$89.37

TT: \$71.55 + 0(9) + 0(9) = \$71.55

Lowest total cost at Tech Things