Quick Questions On Inventory Valuation

 Calculate the value of a 400-unit ending inventory using the following data and the LIFO, FIFO, and Weighted Average methods of inventory valuation. State the advantages and disadvantages of each method.

Inventory Purchase of:	Jan. April Sept.	1		Units 250	Unit Cost \$50	Total Cost \$12,500
		4		100	\$52	5,200
		16		200	\$55	11,000
	Dec.	10		300	\$57	17,100
		T	otals	850		\$45,800

LIFO: assumes 400 units of ending inventory were acquired first

$$\begin{array}{rcl} (250) & (\$50) & = \$12,500 \\ (100) & (\$52) & = \$5,200 \\ \hline & (50) & (\$55) & = $$\frac{\$2,750}{\$20,450} \end{array}$$

FIFO: assumes 400 units of ending inventory were acquired last

$$(300)$$
 (\$57) = \$17,100
 (100) (\$55) = \$5,500
 400 \$22,600

Weighted Average:

During periods of rising prices, LIFO results in higher cost of goods sold, lower income, a smaller income tax expense, and an under valuation of inventory. The results are the opposite when inventory prices are falling. FIFO affects are the opposite of LIFO affects. Weighted Average method tends to be in between and FIFO.

Given the following data, calculate the value of the ending inventory applying the rules pertaining to lower of cost or market.

Product	Units on Hand		<u>nit Value</u> Market	Total Cost	Total Market	Lower of Cost or Market (by product)
A	20	\$12	\$14	\$ 240	\$ 280	\$ 240
В	30	24	23	720	690	690
С	25	30	31	750	775 \$1,745	750 \$1,680
	T.OW6	er of Cost	or Market			

Lower of Cost or Market (by total market) \$1,710