

Unit 1

Answer:

Item	Quantity	Original Price	Total Item Cost
Cheese	1/2lb	\$2.99/lb	\$1.50
Sliced Ham	2lbs	\$4.29/lb	\$8.58
Bread	2 loaves	\$2.49/ loaf	\$4.98
Potato Chips	2bags	\$3.00 for 2	\$3.00
Potato Chips	1bag	\$1.99/ ea	\$1.99
Salsa	2containers	\$3.39/ container	<u>+ \$6.78</u>
		Total Before Discount	\$26.83
		-Discount	<u>-\$3.00</u>
		Total Before Sales Tax	\$23.83
		X Sales Tax	<u>X1.04</u>
		Total Cost of Purchase	\$24.78

The cheese's price was given by the pound but I only need $\frac{1}{2}$ lb so divided the cost by 2 and then rounded it to \$1.50. The cost of sliced ham was also given by the pound but I needed 2 lbs so I multiplied the cost by 2 and the answer was \$8.58. The price of bread was given by the loaf but I needed 2 loaves so I multiplied the cost by 2 and the answer was \$4.98. The potato chips had a special buy of 2 for \$3.00 but each bag is usually \$1.99. I bought 2 bags at the 2 for \$3.00 cost and then another bag for \$1.99 since I needed 3 bags altogether. The cost of the salsa was given as 1 container but again I needed 2 so I multiplied the cost by 2 and my answer was \$6.78. I then took all of these answers and added them together for \$26.83.

Since a discount is used before any sales tax, I had to figure out which discount I wanted to use. My purchases did not total more than \$30.00, so I used the \$3.00 discount. Subtracting \$3.00 from \$26.83, my answer is \$23.83. Lastly, I had to calculate the sales tax. The sales tax is 4% of the total purchases which means I will pay 104% and as a decimal it is 1.04. I multiplied the \$23.83 by 1.04 and my answer is \$24.78. The total cost of my grocery store purchases is \$24.78.