Possible Solution

Tom needs to buy a new set of four tires for his truck. He sees the following two ads in the newspaper.

TIRES R US	TIRES MY WAY
20% REBATE	Buy 3, Get 1 Free!
Regular Price $212.00 each	Regular Price $212.00 each

Which store should he buy his tires from in order to pay the least amount for tires? Justify your thinking.

1. Calculate the price for 4 tires at the regular price at Tires R Us.

$$\$212 \times 4 = \$848$$

2. Calculate the price for 4 tires at Tires R Us using the 20% rebate.

$$\$848 \times 0.20 = \$169.60$$
$$\$848 - \$169.60 = \$678.40$$

3. Calculate the price for 4 tires at the regular price at Tires My Way.

$$\$212 \times 4 = \$848$$

4. Calculate the price for 4 tires at Tires My Way with Buy 3, Get 1 Free.

$$\$212 \times 3 = \$636$$

5. Compare the price of the tires with the incentives.

$$\$678.40 - \$636 = \$42.40$$

Tires My Way's incentive of Buy 3, Get 1 Free costs $636 for a savings of $42.40.