

Name _____ Date _____

Order of Operations Word Problem Guided Lesson Explanation

1. Let's highlight the important parts of the problem.

- a \$800 down payment
- \$275 a month for 36 months.
- \$400 refunded
-

We can rewrite this as:

$$\$800 + (\$275 \times 36) - \$400$$

$$\$800 + (\$9,900) - \$400$$

$$\$10,700 - \$400 = \$10,300$$

2. Michelle needs 1 adult ticket and 4 kids tickets. They have more than 4 people in their group so they will receive a 10% discount. We can rewrite this as:

$$((1 \text{ adult ticket} \times \$28) + (4 \text{ kid tickets} \times \$19)) \times 0.9 \text{ (10\% discount)} =$$

$$(\$28 + \$76) \times 0.9 \text{ (10\% discount)} =$$

$$(\$104) \times 0.9 \text{ (10\% discount)} = \$93.60$$

3. Let's start with what we know:

a. **Start of January's count of cars** = 124

b. **cars delivered in early January** = 42 less than 4 times the starting amount of cars.

c. **cars returned by customers in January** = 13 (5 were given to charity.)

We can rewrite this as:

$$\text{Total car count} = 124 + (4(124) - 42) + (13 - 5)$$

$$\text{Total car count} = 124 + (496 - 42) + (8)$$

$$\text{Total car count} = 124 + (454) + (8)$$

$$\text{Total car count} = 586$$

