

MetaQuest3 Purchase Calculations

Product Details:

- Product: Meta Quest 3 Mixed Reality Headset: Asgard's Wrath 2 Bundle - 128GB
- Manufacturer's Suggested Retail Price (MSRP): \$499.99

Discounts:

1. RedCard Discount (5%):

- Discount Amount: 5% of MSRP
- Formula: $\text{RedCard Discount} = \text{MSRP} \times 0.05$
- Calculation: $\$499.99 \times 0.05 = \25

2. Birthday Coupon (5%):

- Discount Amount: 5% of (MSRP - RedCard Discount)
- Formula: $\text{Birthday Coupon} = (\text{MSRP} - \text{RedCard Discount}) \times 0.05$
- Calculation: $(\$499.99 - \$25) \times 0.05 = \$23.75$

Subtotal after Discounts:

- Formula: $\text{Subtotal} = \text{MSRP} - (\text{RedCard Discount} + \text{Birthday Coupon})$
- Calculation: $\$499.99 - (\$25 + \$23.75) = \451.24

Tax (7%):

- Formula: $\text{Tax} = \text{Subtotal} \times 0.07$
- Calculation: $\$451.24 \times 0.07 = \31.59

Amount Saved:

- Formula: $\text{Saved Amount} = \text{RedCard Discount} + \text{Birthday Coupon}$
- Calculation: $\$25 + \$23.75 = \$48.75$

Final Total:

- Formula: $\text{Total Amount} = \text{Subtotal} + \text{Tax}$
- Calculation: $\$451.24 + \$31.59 = \$482.83$