

Calculating Discount on Clothing Answer Key

Calculating discounts, sales tax, and money saved when making a clothing purchase scenario

The jacket Jessie likes is marked \$129.99. If Jessie purchases the jacket today how much will the jacket cost?

$$\begin{aligned} & \$129.99 - (\$129.99 \times .35) \\ & \$129.99 - \$45.50 = \mathbf{\$84.49} \end{aligned}$$

If the city and state sales tax total 7% how much will the jacket with tax total?

$$\begin{aligned} & \$84.49 + (\$84.49 \times .07) \\ & \$84.49 + \$5.91 = \mathbf{\$90.40} \end{aligned}$$

How much would Jessie save, in total, if she purchased the jacket on sale rather than at regular price?

$$\begin{aligned} & \$129.99 + (\$129.99 \times .07) = \$139.09 \quad [\text{Regular price plus sales tax}] \\ & \$139.09 - \$90.40 = \mathbf{\$48.69} \end{aligned}$$