

Unit Project

Ordering From a Catalog

Families frequently buy things from catalogs. Have you ever been the family member to fill out the form? This project gives you a chance to show what you have learned about decimals and percents as you dream about things that you would love to order from a catalog.

Part 1: Placing an Order

Choose a catalog and fill out the order form your teacher gives you. Be sure that you correctly compute the taxes and shipping costs for your items. You need to find the shipping costs in the catalog you choose. You also need to find the tax on merchandise in your state.

Complete the Order

- Find three different items you would like to order from a catalog. Each item must cost at least \$10. Tape or glue a picture and description of each item to the order form, or draw a picture of the item and write out its description. Include the price with the picture.
- Fill out the rest of the order form as if you were ordering your three items from the C. M. Project catalog. Record all the work you do to calculate the amounts for shipping and tax.
 1.
 - a. Choose one of the items you ordered. List the item with a brief description and give its price.
 - b. What would this item cost if it were on sale for 25% off? Explain your reasoning.
 - c. What would the item cost if it were on sale for $\frac{1}{3}$ off? Explain.
 2. Suppose another catalog has the first item on your order form listed for \$5 less than the price you have listed. A third catalog has your item marked down 20%. If shipping charges and tax are the same, which is the better deal? Explain.

Part 2: Spending Birthday Money

3. Wayan got \$125 for his twelfth birthday. He is going to order three items. Wayan's state has a tax rate of 6%. The shipping costs are 9% of the cost before tax.
- Find the most the three items can cost, before tax and shipping, so that Wayan has enough money to order the items. Show your work and explain your reasoning.
 - Find three items in your catalog that use as much of Wayan's birthday money as possible. Remember to calculate the sales tax and shipping charges.

