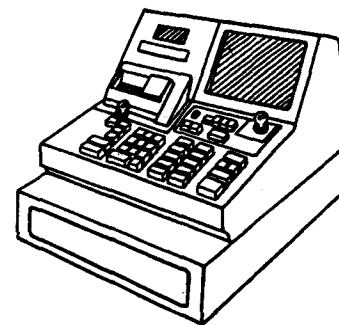


## 17. Unit Pricing

Most of us are very careful when we go to the grocery store. We want to save money and still buy what we want. Because of this, most grocery stores now have "unit pricing" on their shelves, so you can compare costs. For instance, a box of Cleano Soap may sell for \$1.45, and a box of Scrubbie Soap may cost \$2.15. However, if the Cleano Soap box contains 12 ounces, while the Scrubbie Soap box contains 20 ounces, Scrubbie may be a better buy. If you calculate the "price per ounce," you may find that it is more economical to buy the more expensive, but bigger, box.



Help the following careful shoppers choose the best value:

1. Drew wants some new shampoo. He notices that Head and Shoulders™ costs \$3.24 for a 24-ounce bottle, and Tegrin™ costs \$2.89 for a 19-ounce bottle. If Drew wants to spend as little as possible to get a good shampoo, which brand should he buy?  
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2. Noma is deciding whether she should buy her carrots loose or in a 3-pound bag. The loose carrots cost 35 cents per pound and a 3-pound bag of carrots is \$1.10. Which should she buy?  
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3. Marcus is buying flour to bake bread. He can buy flour in a 5-pound sack, a 10-pound sack, or a 20-pound sack. The 5-pound sack is \$.70, the 10-pound sack is \$1.29, and the 20-pound sack is \$2.75. Which sack represents the best deal?  
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4. Betsy loves to can tomatoes. At the corner stand, she can buy a 2-pound package for \$1.98, a 5-pound package for \$4.75, and a 20-pound bushel for \$16.80. Assuming that she wants 40 pounds of tomatoes, what size packages should she buy?  
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5. Mr. Neilan thinks olive oil is good for his health. He is willing to buy big jars, because it doesn't go bad on his shelf. Golden Olive has a 17-ounce bottle for \$3.29 and a 42-ounce bottle for \$7.48. Which bottle should he buy to pay the least amount per ounce?  
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(continued)



## 17. Unit Pricing *(continued)*

6. Lowell likes lemonade. He can buy a 1-gallon (128-ounce) jug of lemonade for \$1.29. He can also buy frozen lemonade concentrate for \$0.55, which makes 60 ounces, or powdered lemonade that makes 2 gallons (256 ounces) for \$2.89. Lowell knows that he will finish whatever size container he buys. Which container should he buy?

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7. Debba is making pizzas. She needs to choose among three bags of shredded mozzarella. One contains 8 ounces and costs \$1.59. One contains 12 ounces and costs \$2.49. One contains 16 ounces and costs \$3.29. If Debba needs 48 ounces of cheese for her pizzas, how many of which type of bag should she buy?

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8. Breda is buying wallpaper remover for her bedroom. She learns that the hardware store carries three sizes of cans, 15 ounces for \$4.29, 33 ounces for \$8.16, and 64 ounces for \$15.19. She wouldn't mind having some left over if she doesn't use it all, so which size can should she buy?

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