

Ketchup In Exercises 7–10, use the information below. (See Examples 3 and 4.)

Brand A



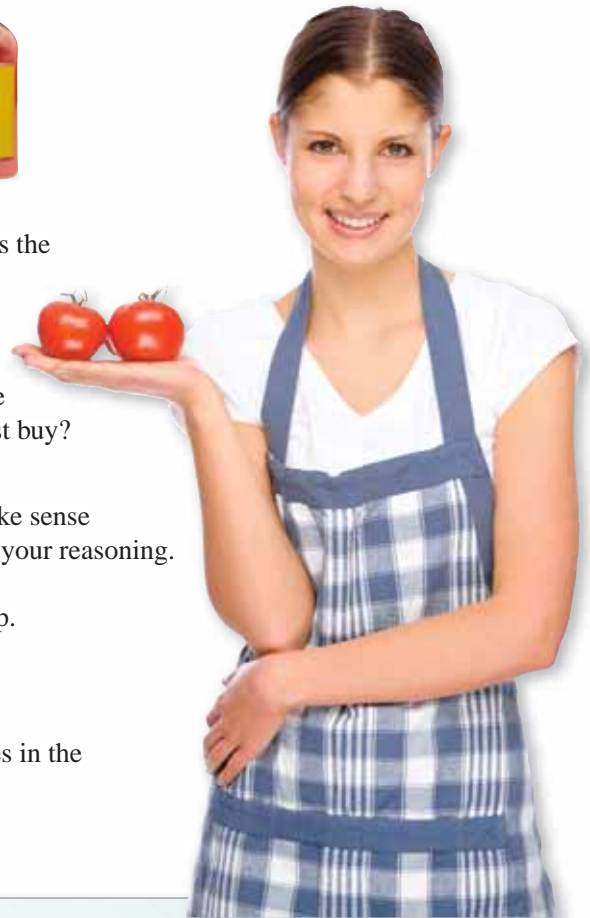
Brand B



Brand C



7. Compare the unit prices of the three brands of ketchup. Which is the best buy? Explain your reasoning.
8. Brand D contains 114 ounces and costs \$8.38.
 - a. Compare the unit price of brand D with the unit prices of the three brands above. Is the largest product necessarily the best buy? Explain your reasoning.
 - b. You use less than 20 ounces of ketchup per year. Does it make sense for you to buy the brand with the lowest unit price? Explain your reasoning.
9. A 40-ounce bottle of ketchup contains about 4.2 cups of ketchup. (One cup equals 8 fluid ounces.)
 - a. What is the unit price of brand C in dollars per fluid ounce?
 - b. Why do you think a manufacturer would prefer to use ounces in the unit rate?
10. Below is a recipe for homemade ketchup.



Homemade Ketchup (Makes 48 ounces)			
* 4 lb tomatoes	(\$7.99)	* 1½ onions	(\$0.37)
* 1 tsp ground cloves	(\$0.65)	* 1 tsp salt	(\$0.01)
* 1 tsp allspice	(\$0.28)	* 1 cup vinegar	(\$0.24)
<p>Preparation: Place the tomatoes in a boiling pot of water and leave them in until the skins split. Strain the tomatoes and allow them to cool. Peel the skins, slice the tomatoes open, and remove the seeds. Dice the tomatoes and onions and put them in a saucepan. Simmer for 10 minutes. Pour into a blender. After blending, pour back into saucepan and add the other ingredients. Stir the mixture. Simmer for 1½ hours. Stir often. After one-third has burned off, turn heat off. Allow time to cool.</p>			

- a. Compare the unit price of homemade ketchup with the unit price of brand A above.
- b. Your neighbor gives you 4 pounds of tomatoes from his garden. What is the unit price of homemade ketchup when you do not have to pay for the tomatoes?