



## Problem of the Week

### Problem B

### Orange You Glad?

Betsy is shopping for orange juice. She has discovered that it comes in a variety of containers at different prices.

- At one store, a 2.63 L container of orange juice costs \$4.00, and a pack of eight 200 mL orange juice boxes costs \$2.64.
- At another store, 2 L of orange juice costs \$3.59.
- At both stores, concentrated orange juice in a 295 mL can costs \$1.71. (This must be mixed with three cans of water to obtain  $4 \times 295 = 1180$  mL of drinkable juice.)

Which purchase will give Betsy the best value for her money?

You may find calculating the price per 100 mL for each container size in the following table useful.

Amount of Orange Juice	Price	Price per 100 mL
2.63 L	\$4.00	
$8 \times 200 = 1600$ mL	\$2.64	
2 L	\$3.59	
1180 mL (mixed from concentrate)	\$1.71	

