Buying Paint

EXAMPLE Robert is at the hardware store and must decide whether to buy paint
in 18 individual quart cans or to buy it in both gallon and quart cans.
Here are the facts:
4 quarts = 1 gallon   1 quart costs $3.89   1 gallon costs $14.95
What should Robert do?

Step 1 Find the cost
of 18 quarts.

$3.89
× 18
$70.02

Step 2 Find out how many
gallons to buy.

4 Gallons
4) 18
− 16
2 Quarts

Four gallons and 2 quarts
are equal to 18 quarts.

Step 3 Find the cost.

$14.95 Cost per gallon
× 4
$59.80 Cost of 4 gallons

$ 3.89 Cost per quart
× 2
$ 7.78 Cost of 2 quarts

$59.80 Cost of 4 gallons
+ 7.78 Cost of 2 quarts
$67.58 Total cost

Robert should purchase 4 gallons and 2 quarts.

Directions Copy and complete this chart. Remember: 1 gallon costs $14.95 and 1 quart costs $3.89.

	Quarts Required	Amount to Buy		Cost		
		Gallons	Quarts	Gallons	Quarts	Total
1.	13					
2.	75					
3.	22					
4.	12					
5.	11					
6.	5					
7.	30					
8.	59					
9.	45					
10.	15					

Consumer Mathematics