



Problem of the Week

Problem A and Solution

Family BBQ Planning

Problem

Chedza and Anastasia are helping their parents plan a family barbecue. The table below shows the prices (including taxes) of the items they want to buy. Fill in the table by rounding each price to the nearest dollar and then use this value to estimate the total price of each item needed for the barbecue.

Item	Price	Rounded Price	Quantity Needed	Estimated Total Price
hamburger buns	\$3.89		2	
veggie burgers	\$5.40		2	
chicken burgers	\$6.15		2	
corn on the cob	\$1.25		5	
lemonade	\$2.55		3	
paper plates	\$2.80		1	

Estimate how much money they need to buy all the food for the barbecue.

Solution

Here is the completed table:

Item	Price	Rounded Price	Quantity Needed	Estimated Total Price
hamburger buns	\$3.89	\$4	2	$\$4 \times 2 = \8
veggie burgers	\$5.40	\$5	2	$\$5 \times 2 = \10
chicken burgers	\$6.15	\$6	2	$\$6 \times 2 = \12
corn on the cob	\$1.25	\$1	5	$\$1 \times 5 = \5
lemonade	\$2.55	\$3	3	$\$3 \times 3 = \9
paper plates	\$2.80	\$3	1	$\$3 \times 1 = \3

The estimated total amount of money needed is $\$8 + \$10 + \$12 + \$5 + \$9 + \$3 = \$47$.