



# Shopping Math

The Great Canadian Superstore			
Orange Juice	\$2.28	Olive Oil	\$7.98
Cheese Slices (1 package)	\$3.78	Ice Cream (2L)	\$5.98
Frozen Pizza	\$4.98	Large Eggs (dozen)	\$2.84
Parmesan Cheese	\$6.48	Skim Milk (2L)	\$4.49
Spaghetti Noodles (1 package)	\$1.98	Pork Chops (3)	\$7.03
Cereal	\$3.48	Chicken Breast (2)	\$10.39
Bread	\$1.64	Yogurt	\$2.98

## Making a Budget

A **budget** is a plan for spending money. A budget helps people control how much they spend each week on essential items.

### A. Answer the questions below.

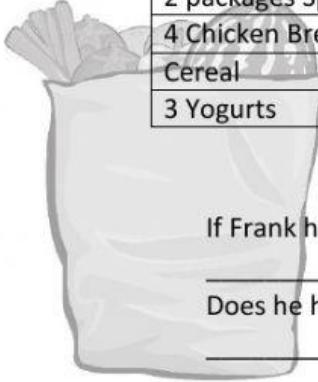
1. Tony has a budget of \$100 for food this week. He spent \$41 on Monday, and \$23 on Thursday. How much money does he have for the rest of the week?  
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2. Jessica has \$450 for food for the month. The first week she spent \$78. The second week she spent \$121.56. The third week she spent \$95.24. How much does she have left for the last week? \_\_\_\_\_
3. Aganetha has a budget of \$50 to spend on food for the week. She spent \$28.62 on Tuesday and \$12.75 on Friday. She went out for lunch on Saturday and spent \$15.13. How much does she have left for the week? \_\_\_\_\_

## Writing a Shopping List

Before going shopping, it is good practice to make a list. A **shopping list** helps you keep to your budget and helps you remember what you need to buy.

### B. Use the prices above to find the total cost of the items on each person's list. Assume prices have taxes included.

### 1. Frank's List



List	\$ Each	Cost
2 packages Spaghetti Noodles	$2 \times \$1.98 = \$3.96$	\$3.96
4 Chicken Breast		
Cereal		
3 Yoghurts		
	Total	

If Frank has a budget of \$60 for the week, how much does he have left?

Does he have enough to buy 9 pork chops to have a barbecue on the weekend?

### 2. Maria's List

List	\$ Each	Cost
Olive Oil		
3 Pork Chops		
2 Dozen Eggs		
Milk		
3 Bread		
	Total	

If Maria has \$25 left in her weekly budget, what could she remove from her list to fall under budget? \_\_\_\_\_

How much would she then have left of her budget? \_\_\_\_\_

### 3. Paolo's List

List	\$ Each	Cost
3 Olive Oil		
Parmesan Cheese		
2 Spaghetti Noodles		
4 Chicken Breast		
Bread		
Ice Cream		
	Total	

Assume the prices do not include taxes. What would the total cost be with 13% HST?



## Applying Discounts

Smart shoppers look for **discounts** when they shop to make their budget last longer. A discount is when items go on sale for a lower price.

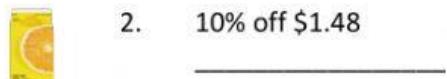
### C. Find the new prices of these items.

1. 20% discount on \$2.28

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2. 10% off \$1.48

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3. \$7.98 on sale for 30% off

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4. 15% off \$7.00

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5. 80% sale on \$2.18

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6. 40% discount on \$16.98

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