	HMM	Weeklz	May 10
Name:		Date:	

# Shopping for the Best Price!

Answer the following questions directly in the space provided **showing all relevant work** and in full sentences where appropriate.

#### Part A

1. You've just received some money as a birthday present to buy a new iPod. There are three stores where you priced out the model you wish to purchase, each of which is running a store sale.

<u>Calculate</u> each store's <u>sale price</u> (without taxes) on the iPod you are thinking about purchasing. [KNOWLEDGE 6 marks]

a. ABC Electronics is running a 1/3 off sale on all their electronics equipment. Their regular price for the model you are looking for is \$249.99.

b. Bobs Audio Video is running a **50% off sale** on all of last year's models and their regular price is \$319.99 for the model you are looking for.

c. Canadian Sound is offering **\$40.00** off sale on all purchases over \$150.00 and their regular price is \$205.99 for the model you are looking for.

2. Which store has the best deal for the iPod you are inquiring about? How much cheaper is the least expensive store compared to the most expensive store? [THINKING 2 marks]

	• •	Name:	Date:
3.	Calculate the total cost (wi	ith taxes) you would need to pay	at each store to buy the iPod
	ABC Electronics	Bobs Audio Video	Canadian Sound
,			
4.	other stores. They tell you year warranty on top of the	ensive store, you tell them about that they cannot lower the price; 1 year manufacture's warranty. rom? Explain why or why not. [	Would this change which
	. ·		.`
			·
n.	and D		
	<u>urt B</u>		
1.	scratch and save sale on a	oartment store in the mall you no Il jewellery. You could save 10% ce you scratch at the counter.	otice that they are having a 6, 25%, or even 40%
	If you were interested in bu the three potential discount	ying a watch worth \$109.99, hows? [APPLICATION 3 marks]	v much could you <u>save</u> given
	10% scratch card	25% scratch card	40% scratch card

2. Which discount do you think a customer would most likely receive when purchasing the watch? Explain why? [THINKING 2 marks]

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Vame:	
varrio.	•

3. Calculate the different <u>total prices (with taxes)</u> you could pay when purchasing the watch in the department store. [APPLICATION 3 marks]

10% scratch card

25% scratch card

40% scratch card

4. While visiting another store in the mall you find the same watch for 1/5 off of \$105.99. Which store would you buy the watch from? Why? [APPLICATION 3 marks]

KNOWLEDGE:

THINKING:

APPLICATION:

/9

TOTAL:

 $\big(\ \big($ 

25

#### COMMUNICATION

Criteria	Level 1	Level 2	Level 3	Level 4
	50% - 59%	60% - 69%	70% - 79%	80% - 100%
Communication of all requested information - all questions are complete - all work is shown - full sentences are provided, where	Limited clarity of information	Fair clarity of information	Good clarity of information	Thorough explanation of all responses

Name	

## Chapter 4 Test

#### Page 1

For the situations in questions 1 to 3, answer the following.

- a) What change does the cash register calculate?
- b) What bills and coins should the customer receive based on using the fewest coins possible?
  - 1. a \$10 bill offered for a purchase of \$7.29

2. a \$5 bill, 2 quarters, and 3 pennies offered for a purchase of \$4.78

3. a \$10 bill, four \$2 coins, a quarter, and 2 pennies offered for a purchase of \$17.17

**4.** Eleanor purchased some candy. Her total bill was \$16.42. She had a \$20 bill, 3 quarters, 3 dimes, and 3 pennies. What should she offer the cashier to get back the fewest coins in change?

Name	 	 	

# Chapter 4 Test

Page 2

**5.** Estimate the total cost after taxes of a jacket with a selling price of \$119.

6. Complete the table. When estimating, round to numbers that are easy to multiply.

	Item	Regular Price	Discount Rate	Estimate of Sale Price	Actual Sale Price	Cost With H
a)	CD	\$19.79	20%			
b)	DVD	\$47.89	1/3			
				, Duck	·	
c)	CD rack	\$77.77	15%			

7. Calculate the total cost after taxes of a microwave oven that is on sale for 10% off \$239.

# Ewyins DECISIONS: What Do I Know Alveady?

N	ame	TOTAL _	/14
		TRUE	FALSE
1/	Going "Bankrupt" only happens in Monopoly, not real life		<u>.,</u>
2/	All credit card companies charge the same interest.		
3/	A bad "Credit Rating" can prevent you from getting an apartment		
4/	A bad "Credit Rating" prevents you from getting a Driver's License.		
5/	Credit Cards are <u>always</u> a <b>bad</b> idea.		<u> </u>
6/	"Lay-Away" is a sales promotion at "Sleep Country" bed & mattress store	·	· · · · · · · · · · · · · · · · · · ·
7/	"Installment Plans" are a way to save money at your bank.		
8/	The Canadian/US currency exchange rate only affects us when we <b>travel to the US</b> .		
9/	eBay, Craigslist, Kijiji are always a terrible places to buy & sell items.		
10/	Calculating "Unit Price" is a great way to make a smart purchase		
11/	The largest size is ALWAYS is the best deal		
12/	A "Critical Thinker" means somebody who ONLY finds what's WRONG with something.		
i.			
	The following are worth ONE mark each:		
13/	Cory is buying a car. He has developed a <u>Criteria List</u> . Which ONE of t <u>LEAST</u> important in his selection?	he following item	is should be
	Price Condition Kilometres Radio	Insurance Co	ost
14/	Alicia is buying a dog. She has developed a <u>Criteria List</u> . Which of the <u>LEAST</u> important in her selection?	following items s	hould be
	Hyper Allergenic (doesn't shed) Friendly Has	a pretty collar	<del>.</del>
	Has received all medical shots Very Healthy Wa	ags its tail a lot	

Important: Complete the following note by copying the overhead in class. If you were way for this class, refer to pages 82 and 83 in the textbook and complete it.

## 5.1 THE BEST BUY

<u>Unit Price</u> –
Most grocery store shelves have stickers that state the unit prices of the items.  The prices are in dollars or cents. The unit varies, for example,
, etc.
Example 1:
A package of 2 AA batteries sells for \$3.99. A package of 8 AA batteries sells for \$9.99. Which package has the lower unit price
Example 2:
Paper towels are sold in a 2-roll package for \$2.49 and a 12-roll package for \$12.99. Which package has the lower unit price?
✓
Example 3:
Lays potato chips are sold in three sizes: 515 g for \$3.99, 270 g for \$2.49, 410 g for \$3.49. Which package has the lower unit price?
✓

#### **5.1 THE BEST BUY**

<u>Unit Price</u> – the cost of an item expressed per unit, such as per item, per 100 g or per L. Most grocery store shelves have stickers that state the unit prices of the items. The prices are in dollars or cents. The unit varies, for example, kilogram, litre, package, gram, millilitre, etc.

#### Example 1:

A package of 2 AA batteries sells for \$3.99. A package of 8 AA batteries sells of \$9.99. Which package has the lower unit price

 $\checkmark$  \$3.99 / 2 = \$1.995 . . . \$2.00 per battery

 $\checkmark$  \$9.99 / 8 = \$1.248 . . . \$1.25 per battery

#### Example 2:

Paper towels are sold in a 2-roll package for \$2.49 and a 12-roll package for \$12.99. Which package has the lower unit price?

√ \$2.49 / 2 - \$1.245 . . . \$1.25 per roll

 $\checkmark$  \$12.99 / 12 = \$1.0825 . . . \$1.08 per roll

#### Example 3:

Lays potato chips are sold in three sizes: 515 g for \$3.99, 270 g for \$2.49, 410 g for \$3.49. Which package has the lower unit price?

- √ (\$3.99 / 515) x 100 = 0.77475 . . . the unit price is \$0.77 / 100 g for a 515 g
  bag
- $\checkmark$  (\$2.49 / 270) x 100 = 0.92222 . . . the unit price is \$0.92 / 100 g for a 270 g bag
- $\checkmark$  (\$3.49 / 410) x 100 = 0.85121 . . . the unit price is \$0.85 / 100 g for a 410 g bag

5.1 The Best Buy		Name.	
<u>Practise</u> : Show your work for ea	ch question.		
1. a)			
b)			
c)			
d)			
e)			
2. a) 4 L for \$3.49	2 L for \$2.89	1 L for \$1.79	milk
b)			
c)			
3. a) \$10.22 for 1.950 kg	\$3.40 for 0.620 kg		
b)			
c)			· <i>'</i>
4. omit			
5.	· .		
6			

B I -- ---

5.1 The Best Buy

- 1. Calculate the unit price for the following in
  - a) dollars per kilogram: 2 kg of carrots for \$2.59
  - b) dollars per gram: 425 g box of cereal for \$3.49
  - c) dollars per 100 g: 425 g box of cereal for \$3.49
  - d) dollars per bag: 12 bags of popcorn for \$5.99
  - e) dollars per can: 24 cans of pop for \$6.49
- 2. Consider these three ways of selling milk:
  - 4 L for \$3.49
- 2 L for \$2.89
- 1 L for \$1.79
- a) Calculate the unit price per litre for each size.
- b) Which has the lowest unit price?
- c) What else should you consider before selecting the best size to buy?
- 3. Lalena examined the prices of two packages of lean ground beef: \$3.40 for 0.620 kg \$10.22 for 1.950 kg
  - a) Calculate the unit price per kilogram for each package of lean ground beef.
  - b) Why are the unit prices for the same cut of beef not the same?
  - c) How might the number of people you plan to feed affect your purchase decision?
- 4. Consider these two ways of selling apple juice: 1.36 L can for \$1.29 package of eight 200 mL boxes for \$2.59
  - a) How many litres are in a package of eight 200 mL boxes?
  - b) What is the unit price per litre for each way?
  - c) Which is the lower unit price?
  - d) What other than unit price would affect your purchase decision?
- 5. A large amusement park has adult season passes for \$92.95. An adult day pass is \$44.99. How many times would you have to visit the amusement park to benefit from the savings offered by a season pass? Explain your answer by showing your work.
- 6. A zoo has annual memberships for \$70. Of that, \$45 is for admission and \$25 is for parking. A single admission price is \$15 and parking is \$6. How many times would you have to go to the zoo to realize the savings offered by a membership?



#### Percent of a Number Skills Check

Determine the total cost, including 8% PST and 7% GST, of each item.

- a) a shirt for \$25.75
- **b)** a pair of shoes for \$69.99
- c) a CD for \$20.95
- **d)** a jacket for \$87.49
- e) a car for \$27 500
- f) a radio for \$39.97

# 5.2 INCENTIVES TO BUY (NOTE)

<u>Discount Coupon</u> : An ad of a sale price, distributed by the store or
manufacturer, where the ad must be handed in to get the sale price.
List 3 ways coupons distributed:
List 3 examples of products that will offer discount coupons:
Store Money: Money that is issued by a store for making purchases there.
Name 2 stores that use store money as an incentive:
Points Cards (Points Program): Points are accumulated with each purchase and later redeemed for merchandise or discounts off of future purchases.  Name 2 stores that use points cards as an incentive:
Name 2 stores that use points cards as an incentive.
Rebates: A deduction from an amount to be paid or a return of part of an amount given in payment.
Other Incentive Plans:
1. Credit Cards with Points Programs
2. Buy One Get One Free (or ½ price)
3. Free Shipping
4. Memberships (Costco)

5.

ANSWER SHEET

<u>Important</u>: Complete the following note by copying the overhead in class. If you were away for this class, refer to page 85 in the textbook and complete it.

### **5.2 INCENTIVES TO BUY**

Discount Coupon: an ad of a sale price distributed
by a store or mfg., where the ad must be handey
by a store or mfg., where the ad must be handed lin to set the sale price. List 3 ways coupons distributed:
flyers in mail, door to door, magazines,
List 3 examples of products that will offer discount coupons:
Store Money: Money that can be used towards future  Purchases & its store  Name 2 stores that use store money as an incentive:
Purchases (2); fs store  Name 2 stores that use store money as an incentive:
Cdn Tipe, Pioneer, Beorgina Garders
Points Cards (Points Program): an incentive plan where points
for nerchandise or discounts off of future purchases  Name 2 stores that use points cards as an incentive:
for merchandise or discounts off of future purchases  Name 2 stores that use points cards as an incentive:
Shoppers, Scene Pts, Rickis, American Fagle
Rebates: \$ back on a just chase if you mail
in bar code of product + receipt.
Other Incentive Plans:  1. Stamp Card - Country Style.  2. Credit Card - turn in for rewards / travel
3. Air Miles
4.

5.

#### Incentive to Buy Practice:

- 1) Some businesses distribute discount coupons, or ads of sale prices where the coupons must be handed in to get the sale prices. Manufacturers also distribute discount coupons for particular items that can be redeemed at a variety of stores.
  - List 3 ways that coupons are distributed to the public.
- 2) A large hardware chain offers store money, or money that can be used towards future purchases at its stores. For a minimum purchase of \$2.50 and payment in cash or by debit card, you get store money.
  - The amount is 2.5% of the total cost before taxes. Store money is always rounded to the nearest 5 cents.
  - (ex. 2.5% of \$35 = \$0.875 = \$0.90 in store money)
  - > Calculate the amount of store money you would receive if you paid cash for each of the items below.
  - a) a halogen headlight at \$15.97
  - b) a 12V cordless drill at \$199.00
  - c) a lacrosse stick at \$59.00
- 3) Some department stores issue **points cards**. If you present your points card when paying for items, you earn 50 base points for every before-taxes dollar spent.
  - > How many points would you earn on each item listed below?
  - a) a \$20 shirt
  - b) a \$150 bicycle
  - c) a \$400 stereo
- 4) At 50 base points for every before-taxes dollar spent, what value of merchandise would you need to purchase to earn 10 000 points?