Name:		Date:	
	Math 8 HW Sect	ion 3.4 Applications of Percentages:	
1. Given the followi	ng chart, find the total p	rice after tax.	
Items	Price	Tax (HST 12%)	Total Co
Textbook		= 85 (0.12)=0.12(89	= 6= (1.
	\$85.00		
Bicycle		= 10,20	= 95.20 = 545 (1
,	\$545.00		
		= 65, 40	= 610, 40
Mac Book Pro	\$2500.00		
✓	\$2300.00		
Honda Civic 2012			
V	\$16,5000		
(Challenge)	8176 = 1,12	25	\$8,17
Rolex Watch		=730×0,12	38,17
	= 7300	11	
Carole works as a	life insurance agent and	d earns 35% commission on all her sales.	If her total sales la
was \$1,250,000 h	ow much commission d	id she earn?	
	= Mucma	7510 x cre, 0251	
	-	1,250,000 x 0,35	
		1 300 11	
		of basketball shoes. The retail price is \$	175 and tax is 12%
much does he ne	ed to pay?	175 (v.12) = TA	- X-UNDU
	wend	175 (0.12) = TA 175 (1.12) = To	
1 Sally went to Arit	zia to huv a dress with a	retail price of \$88.) She waited till Boxing	Day and the dress
	<u>6 off.</u> How much is the		
		PREIDE = 88 X02	54
105% = (1	F). + 75%	= 22 12	5 ≪
		(= 88 × 0/7	< Z
5. Tiffany went to B	estbuy to buy a \$3200 S	amsung TV, a \$1200 Stereo syst em, and c	\$350 Bluray Playe
much is the total	cost including tax?		
Tota	1 - (32-22 41	2001 350) (1,12)	
رين الم	$\mathcal{L} = \{ \mathcal{L} \} $, 200	
6. Bob went to Tim	Horton's to buy lunch fo	r himself and his two friends. If lunch is	wo(th \$7.50, how i
the total price aft	er tax?	/ 5	
	TOTAL	7,50 × 1,12	
	ক্রের	7,300	

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7. Bill bought a \$300 watch on sale for \$280. What is the percentage discount?

8. Microsoft's stock price is currently listed at \$650.00.) If the stock price increases by 10% today and then decreases by 5% tomorrow, what will the stock price be?

9. A pair of earphones went on sale at Bestbuy at 10% off. Two weeks later, the earphones went on another 10% off. The same set of earphones is on sale at Futureshop at 20% off) Which store is selling them at a cheaper price?

cheaper price? PhesiBuy

$$\frac{9}{10} \times \frac{9}{10} = \frac{11}{100} = 100 \times (0.81)$$

Future shape $100 \times (0.81)$
 $100 \times (0.81)$

Future shape $100 \times (0.81)$

10. Alice bought a new car at \$45,000 and each year the worth of the car depreciates by 10%. What is the worth of the car after each of the first 5 years? Show all your work and steps.

11. Two different companies are offering two different sales on the same product. The first company offers three discounts at 5% off, then 10% off and then 5% off. The second company offers only one discount at 20% off.) Which company is offering a lower price?

- 12. At the SOURCE, the cost of a DVD movie is marked up by 40%, on Boxing day, they have a sale at 25% off) If the DVD is worth \$30, how much money does the company make?

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