



Cynthia purchases an order of 425 comic books for \$700.00. She plans to mark the price up by 90%. What will she charge her customers for one comic book? What would be the price including tax for one book in NB?

Unit price
Markup
Sales Tax

$$\$700 / 425 \text{ books}$$

$$\$1.65 / \text{book}$$

Markup

$$1.65 \times 1.9 =$$

$$\$3.14 / \text{book}$$

$$\text{Price inc. tax: } \$3.14 \times 1.13 = \$3.55 / \text{book}$$

Copy these two notes...

promotion: an activity that increases awareness of a product or attracts customers

Common Discounts...

- 70 % off
- save \$30
- BOGO
- 1/2 price



Online Sale

Zellers 3 DAYS OF WEEKEND Savings
FRIDAY TO SUNDAY! SEPTEMBER 9th-11th, 2011

PLUS! Be sure to check out our week-long flyer!
See inside.

ALL HOMESTYLES™ & FIELDCREST® BED-IN-A-BAG SETS SAVE 50%
 ALL HOMESTYLES™ REGULAR AND OVERSIZED BED-IN-A-BAG SETS OR FIELDCREST® OVERSIZED BED-IN-A-BAG SETS
 Regular Sizes Double, Queen or King. Oversized Sizes: Queen or King
 Reg. 139.97-199.97 ... 83.98-119.98

SAVE 60%
 ALL HOMESTYLES™ WATERPROOF MATTRESS PADS
 Reg. 44.97-56.97 Monday - Thursday ... SAVE 30%*

BUY 1, GET 1 FREE
 ALL ALFRED SUNG HOME™, FIELDCREST™ AND HOMESTYLES™ FASHION BATHROOM ACCESSORIES Reg. 6.97-46.99

EXAMPLE:

Jonas needs to buy a new winter jacket. He has waited for a sale, and a jacket that originally cost \$249.95 is now discounted 20%. How much will the jacket cost if Jonas lives in Nova Scotia, where HST is 15%?

This Way: 20% of 249.95
 Focus... How much is taken off?
 0.20×249.95

That way:
 Focus... How much do you still have to pay?

1) Find the discount

$$\begin{array}{r} \$249.95 \times 0.20 \\ \hline \$49.99 \end{array}$$

Discount

2) Find the sale price

$$\begin{array}{r} \$249.95 - \$49.99 \\ \hline \$199.96 \end{array}$$

3) Add the tax

$$\begin{array}{r} \$199.96 \times 1.15 \\ \hline \$229.95 \end{array}$$

1) Find the sale price

$$\begin{array}{r} \$249.95 \times 0.80 \\ \hline \$199.96 \end{array}$$

1 - % (decimal)



2) Add the tax

$$\begin{array}{r} \$199.96 \times 1.15 \\ \hline \$229.95 \end{array}$$

SOLUTION...

Delete to reveal

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Delete to reveal

Copy these formulas...

What percent did you pay?

$$\frac{\text{Amount Paid}}{\text{Total Amount}} \times 100\%$$



\$89.99
Regular Price

$$\frac{\$76.49}{\$89.99} = 0.85 \times 100 = 85\%$$

89.99 - 76.49 = saved
 \$13.50

$$\frac{13.50}{89.99} \times 100 = 15\%$$

What percent did you save?

$$\frac{\text{Amount saved}}{\text{Total Amount}} \times 100\%$$

rate of discount



\$89.99
~~-\$76.49~~
 \$13.50

$$\frac{\$13.50}{\$89.99} = 0.15$$

15%

Determine the rate of discount (% saved)



$$\frac{380}{1279.96} \times 100\%$$

piece social set
1225-6

Rate = 30 %

Sale: \$48.88
 Reg: \$179.99
 Save %

$$\frac{\text{amount saved}}{\text{reg price}} \times 100\%$$

SOLUTION...
 Delete to reveal

Simoniz® S1900
 Electric Pressure
 Washer

Sale: \$229.99
 Reg: \$349.99
 Off

saved: 120.00

SOLUTION...
 Delete to reveal

$$\frac{120}{349.99} \times 100\% = 34\%$$



$$\frac{131.11}{179.99} \times 100\% = 73\%$$

SOLUTION...
 Delete to reveal



Which of the following is the best deal for a new 1TB hard drive that regularly costs \$109.99 , and HST is 10%. What will you pay in each scenario?

Prove it



Sale Option	Discount
i	20% off
ii	85% of the regular price
iii	Dont pay the tax!
iv	1/4 off the regular price <i>25%</i>

Sale Option	Discount
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Sale "i" (20%)

DISCOUNT → $109.99 \times 0.80 = \mathbf{\$87.99}$

OR

→ $109.99 \times 0.20 = \$22.00$
 $109.99 - 22.00 = \mathbf{\$88.00}$

TAX → $87.99 \times 1.10 = \mathbf{96.80}$

Sale "ii" (15%)

DISCOUNT → $109.99 \times 0.85 = \mathbf{\$93.49}$

TAX → $\mathbf{93.49} \times 1.10 = \mathbf{\$102.84}$

(Note: ~~97.79~~ is crossed out in the original image)

Sale "iii" (No Tax)

→ $\mathbf{\$109.99}$

Sale "iv" (25%)

DISCOUNT → $109.99 \times 0.75 = \$82.49$

TAX → $\mathbf{82.49} \times 1.10 = \mathbf{\$90.74}$

(Note: ~~85.11~~ is crossed out in the original image)

Attachments

1.4 Build Your Skills Detailed Solutions.pdf

1.3 Build Your Skills Detailed Solutions.pdf