



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?

Unit Price:

$$\begin{aligned} \text{unit price} &= \frac{\$700.00}{425 \text{ comics}} \\ &= \$1.65/\text{comic} \end{aligned}$$

Markup:

$$\begin{aligned} \text{Markup} &= \$1.65 \times 0.9 \quad \swarrow 90\% \\ &= \$1.49 \end{aligned}$$

Selling Price:

$$\begin{aligned} \text{Selling Price} &= \$1.65 + \$1.49 \\ &= \$3.14 \end{aligned}$$

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Walmart  **3 DAYS OF WEEKEND**

savings
FRIDAY TO SUNDAY!
SEPTEMBER 9th-11th, 2011



HomeStyles
FIELDCREST

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**



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

HomeStyles

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

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? (Ignore tax)

This Way:

Focus...

How much is taken off?

① Find the Discount (20%)

$$\text{Discount} = \text{Cost} \times \text{Discount}$$

$$= \$249.95 \times 0.20$$

$$= \underline{\underline{\$49.99}}$$

② Find the Sale Price:

$$\text{Sale Price} = \text{Cost} - \text{Discount}$$

$$= \$249.95 - \$49.99$$

$$= \$199.96$$

That way:

Focus...

How much do you still have to pay?

$$100\% - 20\% = \boxed{80\%}$$

$$\text{Sale Price} = \text{Cost} \times \text{Discount}$$

$$= \$249.95 \times 0.80$$

$$= \$199.96$$



Which of the following is the best deal for a new 1TB hard drive that regularly costs \$109.99 in Saskatchewan, where GST is 5% and PST is 5%? Which is the worst?



tax

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

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Sale "i" (20%)

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

OR

⇒ $109.99 \times 0.20 = \mathbf{\$22.00}$
 $109.99 - 22.00 = \mathbf{\$87.99}$

TAX ⇒ $87.99 \times 1.05 = \mathbf{92.40}$ **GST**
 $92.40 \times 1.05 = \mathbf{\$97.02}$ **PST**

Sale "ii" (15%)

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

TAX ⇒ $93.49 \times 1.05 = \mathbf{97.70}$ **GST**
 $97.70 \times 1.05 = \mathbf{\$102.59}$ **PST**

Sale "iii" (No Tax.)

⇒ **\\$109.99**

Sale "iv" (25%)

DISCOUNT ⇒ $109.99 \times 0.75 = \mathbf{\$82.49}$

TAX ⇒ $82.49 \times 1.05 = \mathbf{\$86.61}$
 $86.61 \times 1.05 = \mathbf{\$90.94}$

What percent did you pay?

$$\frac{\text{Amount Paid}}{\text{Total Amount(org.)}}$$

$$\star \frac{\$76.49}{\$89.99} = 0.85 \Rightarrow 85\%$$

\$76.49 Sale Price



\$89.99
Regular Price

What percent did you save?



$$\begin{array}{r} \$89.99 \\ -\$76.49 \\ \hline 13.50 \end{array}$$

$$\frac{\text{Amount saved}}{\text{Total Amount(org.)}}$$

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

\star **15%**

\$89.99 Regular Price

- \$76.49 Sale Price

\$13.50 amount saved

You Try!

1. The cost of a new sledge hammer is \$42.99. It is on sale for \$32.24.
What percent would you now have to pay?



2. Towel are on sale at a department store. The advertisement says,
"Buy one, get one 50% off!" The regular price of a towel is \$21.99.
- a) If you buy 4 towels, how much will it cost? (Don't include tax)
b) What is the percent did you actually saved?



1. The cost of a new sledge hammer is \$42.99. It is on sale for \$32.24.
What percent would you now have to pay?

$$\frac{\text{Amount Paid}}{\text{Total Amount(org.)}}$$

$$= \frac{\$32.24}{\$42.99}$$

$$= 0.75$$

$$= 75\% \begin{cases} \text{you pay } 75\% \\ \text{you save } 25\% \end{cases}$$



2. Towels are on sale at a department store. The advertisement says, "Buy one, get one 50% off !" The regular price of a towel is \$21.99



- a) If you buy 4 towels, how much will it cost? (Don't include tax)
- b) What is the percent you actually saved?

Regular Price Paid

⇒ $21.99 \times 4 = \$87.96$

Sale on 2nd Towel 50% off
 $100\% - 50\% = 50\%$

⇒ $21.99 \times 0.50 = \$11.00$

Total Price Paid

$$\begin{array}{r}
 21.99 \\
 + 11.00 \\
 21.99 \\
 \underline{11.00} \\
 = \$65.98
 \end{array}$$

Percent Saved

$\frac{\text{Amount saved}}{\text{Total Amount(org.)}}$

⇒ $87.96 - 65.98 = \$21.98$

$\frac{21.98}{87.96} = 25\%$ saved

or
 you paid 75%



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