

Sale Prices

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Promotions : - an activity that increases awareness of a product
- attracts customers

Ex #1

- Jack costs \$249.95
 - discounted 20%
 - how much will it cost with only 5% GST?
- $\frac{20}{100} = 0.2$

$$249.95 \times 0.20 = \$49.99$$

$$\begin{array}{r} 249.95 \\ - 49.99 \\ \hline \$199.96 \\ \times 0.05 \\ \hline \$10.00 \end{array}$$

$$\text{GST } 5\% \rightarrow \frac{5}{100} = 0.05$$

$$199.96 + 10.00 = \boxed{\$209.96 \text{ total}}$$

Ex #2

- Baskets for \$19.98
- On sale "buy one, get one 1/2 price"
- What is the discount rate, as a % (percentage markdown)

$$\$19.98 \times 2 = \$39.96$$

$$\$19.98 - 2 = \$9.99$$

$$\frac{9.99}{39.96} \times 100\% = 25\%$$

$$\frac{999}{3996} \times 100\% = 25\%$$

ASSIGNMENT 14 – SALE PRICES

1) Jordan is buying a computer listed at \$989.98. The computer is marked 30% off. What is the discount Jordan will receive?

$$989.98 \times 0.3 = \boxed{\$296.99 \text{ discount}}$$

2) Day-old goods at a bakery are sold at a discount of 60%. If the original price of a loaf of sweet bread was \$2.98, how much would you save by buying the day-old loaf?

$$2.98 \times 0.6 = \boxed{\$1.79 \text{ saving}}$$

3) If the sale price is 24% off, what will you save if you buy a sofa regularly priced at \$1999.97?

$$1999.97 \times 0.24 = \boxed{\$479.99 \text{ saved}}$$

ASSIGNMENT 15 – MORE SALE PRICES

1) Sarbjit charges \$24.95 for a haircut but gives students a discount of 30%. How much would a student have to pay for a haircut in this salon?

$$24.95 \times 0.3 = 7.49$$

$$24.95 - 7.49 = \boxed{\$17.46}$$

2) A can of paint costs \$59.95. There is a 20% reduction for contractors. How much money will a contractor save if she buys 5 cans of paint?

$$\begin{array}{r} 59.95 \\ \times 0.20 \\ \hline \$11.99 \end{array} \times 5 = \boxed{\$59.95}$$

3) Chiu charges \$75.00 to paint a room, but if he paints 3 or more rooms, he

gives a 15% discount on the whole job. How much will he charge if he paints 4 rooms in a house?

$$\begin{array}{r} 75 \\ \times 0.15 \\ \hline 11.25 \end{array}$$

$$75 - 11.25 = 63.75 \times 4 = \boxed{\$255}$$

ASSIGNMENT 16 – SPECIAL SALE PRICES

1) What is the percentage markdown if a \$175 item sells for \$150?

$$\begin{array}{r} 175 \\ -150 \\ \hline \$25 \end{array} \quad \frac{\$25}{\$175} = 0.143 \times 100\% \rightarrow \boxed{14.3\%}$$

2) A store promotion advertises T-shirts as "Buy 4, Get 1 free." If one T-shirt costs \$15.97, what is the discount rate, as a percent?

$$\frac{\$1597}{5 \text{ shirts total}} = \frac{\$3194}{\$15.97} \times 100\% = \boxed{20\%}$$

3) Cameron needs to buy 6 computers. Each computer costs \$789.00. He is told that if he buys 5 computers, he will get the 6th one free. What will be his percent saving compared to buying all 6 computers at the regular price?

$$\boxed{16.7\%}$$

4) Nicole wants to buy a coat that was originally priced at \$249.95. It is on sale at 25% off. How much will she pay in total if 5% GST and 6% PST are also charged?

$$\boxed{\$208.08}$$

5) Shelley is selling last year's frames for eye glasses in Whitehorse YT. The

frames are on sale for 30% off. What will a customer pay for frames that were originally priced at \$149.00 if 5% GST is also charged?

\$109.52

6) Yasmin owns a kitchen and bathroom store. She is selling a kitchen sink at a reduction of 40% because it has a scratch. The original price was \$249.95.

a) What is the discount on the sink?

\$99.98

b) What is the total saving to the customer including 5% GST and 8% PST?

\$112.98

c) Calculate the percentage of savings. →

45.2%